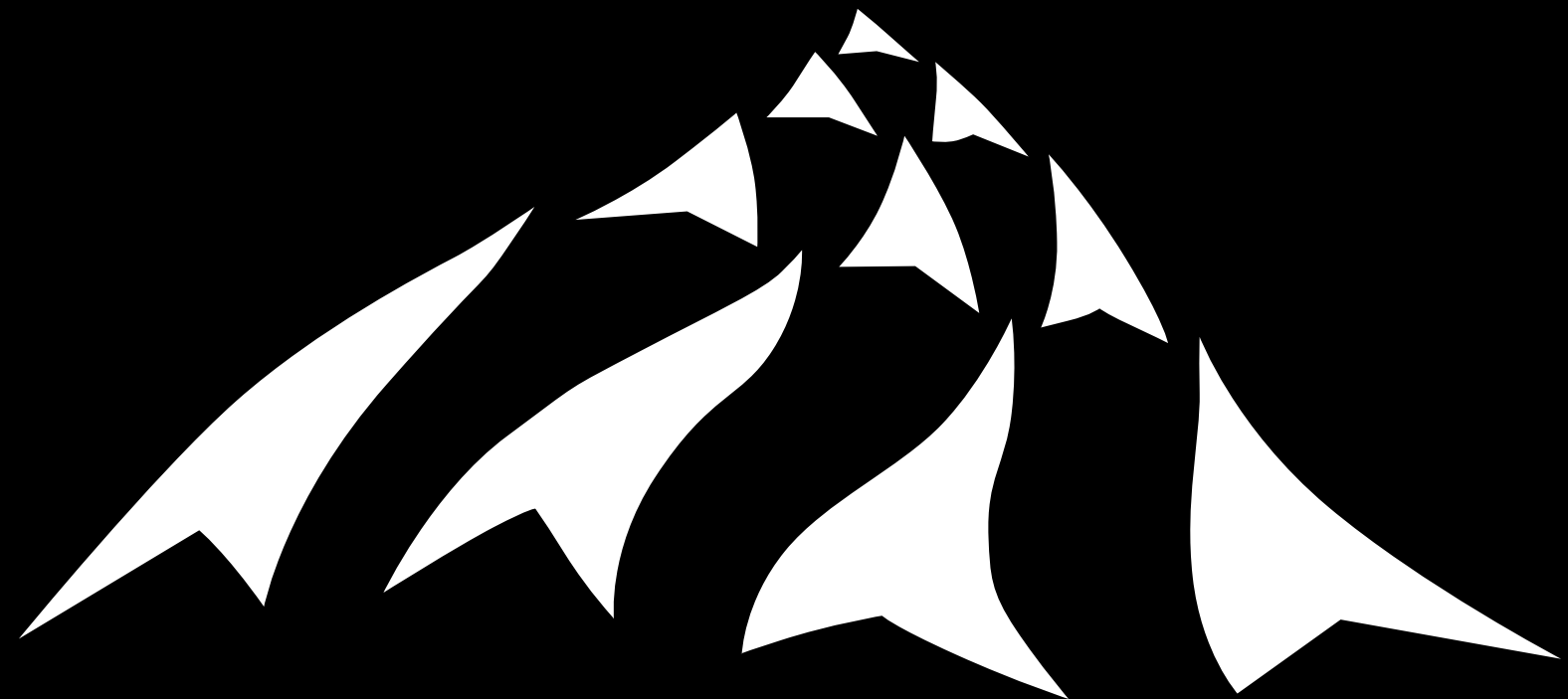


midlands aerospace alliance

Capabilities of Midlands Aerospace Companies 2014-2015



Midlands capability for the world's aerospace industry

The Midlands Aerospace Alliance is pleased to present you with the updated 2014-2015 edition of our member capability directory – which marks our tenth annual edition. It has been designed to help you identify world-class Midlands partners and suppliers for your aerospace programmes and projects.

The Midlands is home to one of the largest aerospace clusters in the world. Aerospace technologies designed and made in the Midlands can be found on the world's most advanced aircraft. Leading names such as Aero Engine Controls, Meggitt, Moog, Rolls-Royce and UTC Aerospace Systems are major players in a region renowned for its core competency technologies:

- systems that power aircraft – gas turbine engines and other propulsion systems
- systems that control the moving parts of aircraft and engines – electrical, mechanical, electronic, hydraulic and pneumatic
- specialist metal and composite materials that enable these systems to perform with precision in exacting environments
- specialist engineering design services, factory equipment and tooling

The Midlands business environment fosters the highest levels of innovation. Aerospace supply chains extend deep into our cluster's world-class advanced engineering economy. We access and invest in a dynamic skills base, with more than 45,000 skilled people working in our aerospace industry.

The mission of the Midlands Aerospace Alliance is to enhance cooperation between customers, suppliers and partners in the Midlands and globally, so that we can improve the performance of all our companies and organisations. We invite you to join us, using this directory to identify the new partners and suppliers you need to make your projects successful.

Andrew Mair

Chief Executive
Midlands Aerospace Alliance



The Midlands Aerospace Alliance (MAA) website provides further information and access to all MAA publications. The information in this directory is available and constantly updated, as a searchable database on the website.

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Eurofighter Typhoon of No.3(F) Squadron at RAF Coningsby in the Midlands.
More than 70 MAA members make parts of this aircraft.
Credit: Craig Sluman, flickr.com/photos/58430191@N04/

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Directory of companies producing flying systems and parts



A & M EDM Ltd
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A high-quality company specialising in electro discharge machining (wire and spark erosion), CNC and general machining.

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Abbey Metal Finishing Co Ltd
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w: www.amfin.co.uk

Abbey Metal Finishing is a company with tradition forged by experience over the last 67 years. Our extensive range of finishing processes includes electroplating, anodising, painting, NDT (including etch inspection) and thermal spraying. Our multifunctionality allows us to carry out a number of consecutive processes, in one location. A strong, experienced team allows AMFIN to meet customer demands in aerospace, defence, railway and other business sectors. We hold a number of quality accreditations: NADCAP, ISO9001:2008 + AS/EN9100, ISO14001:2004 and third-party approvals such as Airbus, Rolls-Royce, Bombardier, Safran. Amfin – we make it work . . . for you.

Paul Bennett
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**accrofab
limited**



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Accrofab is a class-leading manufacturer of precision fabricated and machined parts for the aerospace industry. We provide a single point of contact for end-to-end solutions across new product introductions, volume production and aftersales support, working closely with our customers to deliver added value, reduced risk and exacting performance. We operate an agile and flexible approach to managing capacity, providing a quick and comprehensive response to our customers' specific requirements. Design for manufacture advice forms part of our service. We now offer vacuum heat treatment in-house along with laser cutting, welding and NDT, all to Nadcap accreditations.

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w: www.acornst.com

Acorn is a specialist surface engineering company providing high-quality processes and service to aerospace, defence, automotive and industrial markets. We hold a wide range of quality accreditations including ISO 9001:2008, BS EN 9100/AS9100, NADCAP plus a number of third-party approvals including Airbus, Boeing, Rolls-Royce, Bombardier. The range of processes available includes NDT, anodising, plating, painting and IVD aluminium vacuum coating. We specialise in multi-process and selective coating and can advise on design and selection of surface treatments.

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ActOn Finishing Ltd
213 Torrington Avenue
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Coventry
West Midlands
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CV4 9HN
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w: www.acton-finishing.co.uk

ActOn Finishing Limited signifies high-quality metal finishing. We are a one-stop shop for comprehensive metal finishing solutions. Our manufacturing capabilities include machines, media and compounds. We design and manufacture a wide range of metal finishing machines like: vibratory finishing machines, centrifugal high energy finishing machines, rotary dryers, vibra polishers. The company also manufactures its consumables required for the process. ActOn Finishing services various companies involved in aerospace, automotive, medical and other general engineering. A state-of-the-art sub-contract facility offers both vibratory and high energy finishing as well as manual polishing of aerospace parts.

Warran Bradford
e: warranbradford@acton-finishing.co.uk

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ACE has a strong background in manufacturing custom precision components for defence and aerospace applications, experience in supplying many aircraft platforms and is ideally placed to meet their rapidly changing demands in terms of quality, speed, precision and innovation. ACE is well versed in producing critical components in the majority of compliant aerospace grade materials including beryllium copper, phosphor bronze, inconel, nimonic, incoloy, stainless steel, aluminium, aluminium bronzes, titanium and molybdenum. From flat metal profiles to complex formed components we have the in-house capability to manufacture your prototype and production requirements to exacting standards, using ACE etching technology and conventional tooling.

Garry Marriott
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Directory of companies producing flying systems and parts

AE Aerospace Ltd

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AE Aerospace is a world-class supplier of high-quality precision machined components supporting repeater, runner, stranger and alien demands for the aerospace and advanced engineering markets as the core of our business and future strategy. Our ERP system and infrastructure allow us to manage our business efficiently and are dedicated to ensuring that our customers receive the optimum performance necessary. Utilising 5 axis milling and turning machines, AE Aerospace has achieved the highest industry and customer qualifications including SC21 Bronze Award. Based in Birmingham close to major road networks, airports and rail services, we are ideally situated to support customers locally and internationally.

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Aero Engine Controls

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Aero Engine Controls is part of Rolls-Royce plc. The consolidation of skills, knowledge and experience provides Aero Engine Controls with first-class industry insight and technical expertise. This combination accelerates the innovation, development and implementation of engine intelligence.

Wendy Stopher
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Aerocom Metals Limited

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Aerocom Metals are a premier stockholder of aerospace alloys, supporting aerospace, defence, motorsport and all precision engineering sectors. Global contracts and in-house processing means a full supply solution for aluminium, titanium, stainless, nickel alloy and high strength steels anywhere in the world, to our customers' exacting requirements. Our pace-setting alloys include; 6061, 2024, 4130, 15/5, 301, 304, S515, 17/4 and T45, in bar, tube, sheet and plate.

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Aeromet International Plc

Cosgrove Close
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Aeromet International PLC is a UK based, leading producer of premium quality aluminium sand and investment castings, magnesium sand castings. High property castings are available utilising SOPHIA process for conventional materials, and A20X® for next generation, ultra high property applications. A20X® material produces the highest strength aluminium castings commercially available. Registered with the Aluminium Association as AA205, AMS4471 for investment castings and AMS4482 for sand castings. FAA approved. The only Boeing approved aluminium investment foundry in Europe. Castings – machining – treatments – assembly – design – rapid prototyping. Investment castings up to 1.5m³, sand castings to 1.0m³. AS9100: RevC, ISO9001:2008 and NADCAP approved.

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AGC AeroComposites Derby

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AGC AeroComposites Derby (Paul Fabrications) manufactures complex fabricated and machined assemblies for the aerospace, industrial power generation and nuclear power sectors. Operating from a modern 60,000 sq ft facility it prides itself on exceeding customers expectations, consistently achieving class-leading quality and delivery performance. Manufacturing utilises computer-aided processing, with 5-axis laser cutting and 5-axis CNC machining as core business competencies. With over 40 manufacturing processes in-house you gain an appreciation of the breadth of engineering capability available. Approved to AS9100 Rev C with five supporting NADCAP accreditations and multiple OEM approvals, an ongoing commitment to investment ensures that the latest manufacturing technologies are utilised.

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Akzo Nobel Aerospace Coatings Ltd

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Manufacture and distribution of structural, exterior and specialist coatings for the aerospace and defence markets. ANAC are approved by all the leading OEMs and are a key supplier to the airline maintenance aftermarket (MRO).

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Alloy Heat Treatment Ltd

Block 6
Grazebrook Industrial Park
Peartree Lane, Dudley
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t: 01384 456777
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Alloy Heat Treatment is the largest and leading subcontract heat treater of aluminium and its alloys, in any form, in the UK. Cast, forged or wrought product into a variety of quenchant.

Steve Roberts
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alloy wire international

Alloy Wire International

Narrowboat Way
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West Midlands
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DY5 1UF
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Manufacturer of wire (round, shaped and flat) in high performance nickel alloys.

Tom Mander
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Aluminium Special Products Limited

Unit 39 Second Avenue
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t: 01384 291900
w: www.aspgroup.co.uk

Aluminium Special Products Limited is a fully approved supplier of raw material specialising in aluminium and magnesium alloys. In-house manufacturing capability exists to process, from cutting to length to complete finished components and assemblies. With an established global supply chain, ASP offer customers a hands-on, cost-effective supply without compromise on quality, delivery or service.

David Robinson
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ANT Industries

Carlyon Road
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CV9 1LQ
t: 01827 716878
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Established in 1972, ANTools Ltd manufacture a wide range of components and assemblies for the aerospace and its allied industries. We have the capability to manufacture complex prismatic parts and aero engine "ring" components. We are a first-tier supplier to a variety of OEMs and offer the capability to support both prototype and production requirements.

Shaun Rowley
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Arden Precision Limited

The Highlands
Maidwell Drive
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Arden Precision Ltd is a Solihull based company established in 1980 specialising in a wide range of precision engineering services. Our experience, expertise and efficient approach have ensured that we have become an established and trusted name throughout Solihull and beyond with a reputation for quality work and courteous, professional service. We undertake services such as CNC turning, CNC milling, 4 axis milling and 3D machining. We also specialise in CMM inspection and provide a range of prismatic components.

Don Ryan
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**Arrowsmith Engineering (Coventry) Ltd**

50 Bayton Road
Exhall
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t: 02476 361773
w: www.arrowsmitheng.co.uk

Founded in 1967 specialising in the manufacture of components for the aerospace industry. AS9100, ISO14001 and Nadcap approved company with highly skilled workforce providing CNC turning, milling and grinding engineered machining services. Manufacturer of both large and small volume production runs in nimonics, titaniums and plastics, as well as specialist services of thread rolling, NDT and pressure testing. Based in Coventry in a newly constructed 18,000 sq ft HQ. Awarded SC21 Bronze in 2013, Goodrich Sustainable Supplier award 2012 and "Best Small Business 2010" in the Coventry and Warwickshire Business Awards.

Jason Aldridge
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Ashton & Moore Ltd

12 Smith Street
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B19 3EX
t: 08456 188196
w: www.ashton-moore.co.uk

Sub-contract special process house offering: NDT services; sulphuric, thin film sulphuric, TSA and chromic anodising; passivation of aluminium and stainless steel; painting/stove enamel; ceramic anti-corrosion coating; cadmium; lead, indium and silver plating; phosphating (zinc, manganese, low temp. & calcium-modified); electropolishing and ancillary services to aerospace and defence standards.

Pat Ash
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Atlas Composites Limited

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w: www.atlascomposites.com

Atlas Composites are a dynamic force in the development and manufacture of composite structures for a diverse range of aerospace and military applications. We are currently certified to AS9100 Revision C standard - the prestigious quality management system for aviation, space and defence. Our capabilities include project management, component and tool design, CAD/CAM technology, five-axis machining, autoclaves, press moulding, clean room facility, CNC materials preparation, non-destructive testing and AS 9102 compliant final inspection. We are currently engaged with the Midlands Aerospace Alliance and are working towards SC21 bronze recognition.

David Gregory
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Bodycote Heat Treatments Ltd

Thermal House
Colliery Lane North
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Coventry
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t: 02476 367786
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Bodycote is the world's leading thermal processing services provider. Offering extensive processing capability in the UK, and an international network of services with 170 locations in 27 countries, Bodycote is a vital provider offering local support to the international aerospace industry. Services include: heat treatment; metal joining including vacuum brazing and electron beam welding; hot isostatic pressing and metallurgical coatings. The world's most respected aerospace companies recognise the benefits of long-term relationships with Bodycote – allowing access to the wealth of knowledge, expertise and international quality accreditations that keep Bodycote at the leading edge of engineering technology.

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Bohler-Uddeholm (UK) Limited

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w: www.bohlersteels.co.uk

UK sales organisation and service centre of Bohler-Uddeholm AG, a leading company in the development and production of special steels and nickel-based alloys, covering BS, AMS and other international standards. Forms of supply include billet, bar, sheet, plate, strip and rolled profiles. Bohler in the UK is a signatory to SC21 and actively encourages business improvement techniques within the company. The service centre has automatic saws, a specialised saw system for close tolerance multiple cut blanks, a fully automated saw centre, as well as machining and grinding facilities.

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**British Rema Processing Ltd**

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Foxwood Close
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British Rema is one of the UK's longest established businesses in powder processing and was a pioneer in the fields of particle size reduction and particle size control. With expert knowledge and experience of the characteristics and behaviour of a wide range of particulate materials, British Rema specialises in the micronisation, classification and blending of powders and resins to tightly controlled specifications at the micron scale, either as a contract service or the design and manufacture of process equipment worldwide. Current aerospace applications for micronised powders include advanced adhesive systems, resin based polymers and composites used in component assembly.

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Bromford Industries Ltd

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Bromford Industries is a privately owned enterprise trading on a global basis supplying a wide range of precision machined components, fabrications and assemblies to OEM aero engine, landing gear and industrial gas turbine customers for civil and military applications. Operating from core facilities in the UK and with a broad engineering and sourcing capability including emerging market and supply-chain management, Bromford specialises in difficult-to-manufacture, performance-critical components in a variety of materials.

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Directory of companies producing flying systems and parts

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w: www.bulwell.com

A manufacturer of precision components, sub-assemblies and critical performance assemblies to aerospace primes and the aerospace supply chain. Provision of a full service of machining, fabrication, surface treatment and assembly makes the business a solutions provider to customers worldwide. Operating as a subsidiary of the Nasmyth Group, the business has access to extensive resources and capacities in other group companies.

Simon Beech
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Burcas Ltd

Park Lane
Handsworth
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United Kingdom
B21 8LT
t: 0121 5532777
w: www.burcasonline.com

For over 70 years Burcas has been at the leading edge of technology and quality, providing innovative machining solutions to the aerospace, defence and precision engineering markets. Specialising in high complex critical machined components Burcas is fully equipped with CNC milling, CNC turning and importantly CNC grinding including 5 axis capabilities for milling and grinding. This capability supports repeater, runner and speed shop customer orders and contracts in accordance with our future strategy. Based in Birmingham in a 35,000 sq. ft. facility our robust infrastructure and 70 strong team is ideally situated to support customers locally and internationally.

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C & H Precision Finishers Limited

Precision House
Derby Road Trading Estate
Sandiacre
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United Kingdom
NG10 5HU
t: 0115 939 4707
w: www.chprecision.co.uk

CHP have the specialist capabilities and production processes for accredited finishing on a wide range of components including: turbine blades and vanes, engine casings, undercarriage landing gear parts, one-off alien parts, blisk polishing. We provide component finishing processes which include: de-burring, finish polishing, vibro and super polishing, blasting including vapour blast, all to meet the most demanding quality levels and approvals.

Phil Akkrill
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Caparo Accles & Pollock Ltd

PO Box 14
Rood End Road
Oldbury
West Midlands
United Kingdom
B69 4NN
t: 0121 543 2100
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Tube manipulators and coilers. Producers of metal rigid tube assemblies into the aerospace and scientific industrial sectors.

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CE Turner Engineers Ltd

Hudson Road
Saxby Rd Industrial Estate
Melton Mowbray
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LE13 1BS
t: 01664 564643
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Precision manufacture - machining and fabrication.

Trevor Kettle
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Chinn Ltd

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Coventry
West Midlands
United Kingdom
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t: 02476 369400
w: www.chinnltd.com

Part of the Nasmyth Group of companies, Chinn Ltd specialises in the manufacture of machined and sheet metal components, complex assemblies and fabrications for airframe and engine customers in military and civil aerospace markets. With an extensive range of specialised and precision processes undertaken by a highly skilled and motivated workforce, including: machining, welding, FPI, X-Ray, hot and cold metal forming, chemical processing and heat treatment. Chinn Ltd also carries out reverse and concurrent engineering on legacy and prototype parts and holds an extensive range of ISO, NADCAP and OEM approvals.

Mac Fletcher
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Cinch Connectors Ltd

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United Kingdom
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w: www.cinch.com

Cinch Connectors is a multi-national manufacturer of a broad range of interconnect products. Cinch is a major supplier of products to the military and aerospace market with significant presence in the commercial aircraft industry, as well as in the munitions, missile, and satellite communications segments. Cinch also possesses various enabling technologies and expertise, with which to provide custom solutions, and products, for strategic accounts within their focus markets.

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Clamonta Limited

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United Kingdom
CV11 6BX
t: 024 7638 2447
w: www.clamonta.co.uk

Founded in 1954, Clamonta manufacture high-precision machined components for the aerospace industry from stainless steel, nimonic, inconel, titanium and aluminium. We pride ourselves on our highly-skilled and dedicated workforce and our innovative machining methods. Our developed-in-house ERP/MRP system is unique and offers features like touch-screen process control.

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Colledge & Morley Ltd

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Colledge & Morley was established in 1953 and became part of the Nasmyth Group in 2008. We are a supplier and manufacturer of high precision gear and spline related products for the aerospace and defence sectors and for specialist commercial products and the auto sport industries. We also offer a free issue single operation service for gear hobbing, gear shaping internal and external splines, broaching and gear grinding.

Adrian Marvin
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Columbia Precision Ltd

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Birmingham
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United Kingdom
B7 5EH
t: 0121 327 1500
w: www.columbia.uk.com

'Ultimate Precision' is the benchmark Columbia has sought to maintain for more than 33 years. Internationally recognised, Columbia's reputation for supplying high quality precision components is unrivalled. A commitment to innovative technologies saw a £2m investment in 2014. Latest additions include the Mazak Megaturn Nexus 900M and Matsuura MAM72-63V 6 Pallet Machine, increasing unmanned manufacturing to 520 hours a week, adding to capacity to produce components for aerospace, defence and other industries where on-time delivery is as vital as piece part cost. Columbia also offers NDT (magnetic particle, dye penetrant) as well as passivation and nitral etch. Accreditations include: AS9100 Rev C, ISO 9001 and Nadcap processing approvals.

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Component Coating and Repair Services

Unit 1 to 4
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CCRS Ltd is a privately own company based in both Glasgow and Alfreton, Derbyshire. The Glasgow division specialises in overlay and diffusion coatings for both new manufactured and overhaul components. Our Alfreton division carries out repairs to a variety of gas turbine components. For further information please see our web site.

Alan Dean
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Copper & Optic Terminations Ltd

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Hanley
Stoke on Trent
Staffordshire
United Kingdom
ST1 2LD
t: 01782 275810
w: www.copperandoptic.com

Copper and Optic are recognised as a premium sub-contract and electronic assembly company. Providing cable/wiring harness assembly, mechanical assembly, electro-mechanical assembly, printed circuit board assembly or fibre optic termination for the aerospace, defence and professional electronic manufacturing base we are proud to be associated with some of the most influential defence and aerospace companies in the industry

Phil Latham
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Cosworth Limited

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A world leader in advanced engine and engineering technology, supporting a vast array of mechanical and electronic requirements. Cosworth combines state-of-the-art manufacturing facilities with highly experienced and focused engineers to provide total solution capabilities to the aerospace and defence sectors.

Croft Engineering

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Croft Engineering of Draycott is a company of sixty employees, specialising in low to medium batch production of high precision components. The company offers three main areas of expertise: 1) precision grinding, covering cylindrical, centreless, internal and ring grinding, bore honing – working routinely to tolerances of .0002" and often to .0001"; 2) CNC milling, with eight vertical machining centres, five of which have 4-axis capability; 3) CNC turning, with thirteen CNC lathes of which two have live tooling. These areas are supported by manual turning and milling. Croft Engineering also offers full CMM facilities with 3 full-time inspection representatives.

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Cube Precision Engineering

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Design and manufacture of press, mould and composite tools for the aerospace, defence and automotive industries. Specialising in tooling and components up to 5m in length and 35T in weight our tryout facilities range from 400T-1,000T mechanical presses. We have AS9100 Rev B (Migrating to C), ISO9001 and are SC21 signatories.

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Cubewano Limited

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Cubewano design, test and manufacture small multi-fuel internal combustion engines to AS9100 quality standards. We currently supply the US military with engines for UAVs primarily due to their ability to run on kerosene but also their high power to weight ratio and very low vibration. Being highly scalable and able to run on either gasoline or kerosene, Cubewano engines are also suitable for a multitude of aerospace power requirements from portable generators and APUs to primary power units. With an emphasis on latest management techniques, Cubewano are now able to offer rapid design and development with full project reporting all to AS9100 standards.

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Cytec Industrial Materials (Derby) Ltd

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Cytec Industrial Materials is an established provider of composite material technology for the aerospace industry, and a leading manufacturer of prepreg material for UAV platforms. The company manufactures OEM qualified structural prepreps for out-of autoclave processing of civil and military aircraft structural components. It also manufactures low volume speciality prepreps for space and high performance radomes. Cytec's MTM® prepreps have the largest available Public 'B' and 'A' basis databases generated via FAA accepted methodology. The company manufactures aircraft interiors prepreps qualified by Airbus and other OEMs, meeting FAR25.853 requirements. It continues to develop new materials for durable lightweight composite mould tool solutions.

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D & S Engineering (Coventry) Limited

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t: 024 7664 4648
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A precision engineering company, established in 1973, supplying the aircraft and defence industries. We are AS9100 revision 'C' & ISO9001 approved, we were awarded SC21 Bronze award in 2013 for the second year and are striving to achieve the silver award in 2014. We utilise the latest CNC machinery, including five-axis, and our inspection department includes three CNC CMM machines. We manage out-sourced processes such as heat treatment & plating. We are a grade 'A' supplier to major tier one aircraft and defence contractors.

Richard Maconnachie
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Directory of companies producing flying systems and parts

Danatrol

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Danatrol Ltd specialises in the production of precision CNC machined components offering exceptional levels of quality workmanship and customer service since 1977. Our expertise is to machine complex components in a wide range of materials for industries including aerospace, security, energy and electronics established as a key supplier to major companies in the UK, Europe, USA and China. Our range of precision engineering and machining services includes: CNC multi-axis machining, CNC 5 axis CMM inspection, high value complex components, CAD/CAM integrated machine shop facility, prototype manufacture, finishing processes.

Andy Morris
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Davromatic Precision Ltd

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Davromatic manufacture precision components for the aerospace, defence and fastener industries and has AS9100 rev C accreditation. The services include difficult-to-machine materials and tight tolerances for components and assemblies.

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Delcam Plc

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The aerospace industry demands the highest levels of quality and consistency, plus cost-effective production and the shortest possible delivery times. Delcam's wide range of manufacturing software and services helps companies both large and small to meet those requirements. Delcam's CAD/CAM systems have been used on virtually every major aircraft programme in recent years and in many MRO operations. Our customers have undertaken projects in all the various areas that go towards producing a successful aircraft, from developing more fuel-efficient engines, to manufacturing airframe components more effectively and even in designing more comfortable and more attractive interiors.

Peter Dickin
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Doughty Precision Engineering Ltd

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Doughty is a leading global supplier of intricate sub-contract machined parts to aerospace, electrical engineering and other leading companies. Doughty specialise in a cost reducing 'one-hit machining' philosophy wherever feasible.

Nelash Nagar
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Dunlop Aircraft Tyres Limited

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Dunlop Aircraft Tyres Limited is the leading specialist in design, manufacture and retreading of aircraft tyres with over 300 product lines and 500 type approvals in its range. The company provides a wide range of tyres and tubes on a worldwide basis for both civil and military aircraft.

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Electro-Discharge Ltd

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t: 01384 238451
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Wire and spark erosion specialist to the aerospace, satellite, oil and Formula 1 industries, capable of cutting up to 600mm thick. Also offering CNC milling, electrode manufacturing, tool and fixture design/manufacturing.

Rupin Vadera
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Encocam Ltd

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Encocam Ltd is the parent company of seven divisions with over 21 years experience, spanning globally a range of industries from energy absorption, safety testing solutions, composite panels, and a range of manufacturing and engineering services. Encocam prides itself on being a leader in innovation and creativity whilst being forward thinking in technology and manufacturing, believing strongly in continuous improvement. COREX-honeycomb, one of Encocam's divisions, manufactures and distributes aluminium honeycomb worldwide, providing a light-weight to high-strength solution using a wide range of cell-sizes, materials, and strengths for core material and complete panels to customers' exact requirements.

Helen Dighton
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Energy Tubes Ltd

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Unit 2 & 3A Bean Road
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t: 01902 671222
w: www.energytubes.com

Energy Tubes are a specialist producer of tig welded tubes in stainless steels, nickel alloys and titanium for industry all over the world. We have manufactured tubes in the UK since 1974, from gauges of 0.4mm to 2mm. In diameter they range from 6mm up to 42mm. Our services include in-house comprehensive testing and inspection, in-line eddy current testing and fully annealed coiled tubes up to 250m long.

John Finnegan
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EPM Technology Group

20 Victoria Road
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United Kingdom
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t: 01332 875451
w: www.epmtechnology.com

epm technology group is proud to be formally stepping into the aerospace supply chain as a composite components and assemblies supplier. epm has a new purpose built 60,000 sq. ft. facility, based in Derby which is part of a £6.5m investment moving epm technology into the aerospace sector. From this new site epm brings an array of services to fully support all requirements for all clients, this includes design and engineering support right through to component supply and supporting line-side and just-in-time delivery requirements.

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Erodex (UK) Ltd

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t: 01384 892011
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Specialist in: sink erosion, wire erosion, mechanical carbon applications, semiconductor applications, metallurgical applications, furnace applications, machining services, carbon brushes, design services. Since its foundation in 1973, Erodex has had a guiding philosophy which has endured throughout the decades. The finest raw materials, when allied to first class manufacturing techniques and the best possible service, will result in a successful business. From the very beginning and continuing up to date, the finest carbon and graphite materials have been provided by Poco Graphite of the USA and Toyo Tanso of Japan.

Graham Eccles
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Fibracon-Insoll Machined Plastics

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SK23 0QZ
t: 01298 811800
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A tailored manufacturing service for machining engineering plastics to your design. We provide: impartial advice on plastic material selection, including PTFE, PEEK, Vespel, Torlon and engineering polymers; guidance on designing parts from machined plastics; responsive CNC machining service from 1mm to 3000mm, turning and 5-axis CNC milling; prototype to high volume made-to-order service. High performance plastics as a replacement for metal and ceramic components present a serious choice for design engineers as reducing weight drives operational cost reduction. We aim to help aerospace businesses improve their supply chain responsiveness and assist with the design and development of machined plastic components.

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Flextronics Aerospace & Defense

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t: 01600 719054
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Experienced in managing programmes across life cycles; from NPI to Volume. Extensive Design and Value-Engineering Expertise; Dedicated, Experienced Programme Management Resources; Best-In-Class Quality / IT systems to manage Product, Sourcing & Supply Chain requirements of Complex Programmes. Systems support Entire Life-cycle Service Capabilities, Qualifications & Certifications. Aftermarket Logistics Support, including provisioning of Spares and Repairs during Product Support Phase of Programmes. Coordinate Vast Capabilities / Resources Service Offerings into Complete Turnkey Solutions. Complete end-to-end solutions offer Clear Advantages in rapidly changing marketplaces where Quality, Reliability, Innovation, Cost of Products are critical. Markets: Flex circuits, CCAs, Avionics, In-Flight Entertainment; Radios; Thermal Solutions; Ruggedised Devices; UAV; UGV; Vertically Integrated Solutions include Machining; Metal-Stamping; Plastics; Cables; Fabrication / Assembly of Multi-Layer, High Complexity, High Density PCBs; Mechanical Assembly / Integration of Enclosures; Sub-Assemblies; Racks / Systems encompassing Multiple Levels of Test at all System Levels.

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G & O Springs Ltd

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Manufacturer of all types of springs and wireforms for the aerospace industry. Approvals held: SC21 Bronze, AS9100:B & Nadcap (heat treatment). G&O is currently working towards SC21 Silver recognition. See our website for current performance statistics.

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Gardner Aerospace - Derby Ltd

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Gardner Aerospace Derby is a supplier of aerospace detailed parts, sub-assemblies and total manufacturing services to the aerostructure and aero engine markets. Components are manufactured in soft, hard and exotic alloys and we have all the required engineering tools, processes and quality approvals to support these capabilities.

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Glenair UK Ltd

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Glenair is a manufacturer of interconnect solutions and products - especially for harsh environment and harsh EMC applications. We manufacture a wide range of military aerospace qualified circular and Micro-D connectors, harness accessories, backshells, conduit, braiding, heatshrink boots and tooling. Other products include fibre optic components and assemblies, composite components and enclosures. We specialise in the design and manufacture of customised wire and flexi-harness assemblies for bespoke applications. We have a large design team in Mansfield able to support and solve any of your interconnection requirements. Glenair is proud to hold the SC21 Silver Award.

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Gould Alloys Limited

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Gould Alloys is a leading supplier of high quality metals to the aerospace industry, holding major aerospace company approvals. The company pursues a policy of understanding the requirements of the customer, supplying materials in the most cost-effective form.

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Directory of companies producing flying systems and parts

Graves Aircraft Components Limited

Lighting Way
Alvechurch Road
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B31 3PJ
t: 0121 475 5181
w: www.gravesac.co.uk

Manufacturer of low-volume critical flying parts for the aerospace industry. Specialists in the supply of stranger and alien parts for the after-sales market. Parts manufactured include nozzles, jets, match ground spools and sleeves and other fuel-line components, small prismatics and actuation unit parts.

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Greene Tweed and Co Limited

Mere Way
Ruddington Fields, Ruddington
Nottingham
Nottinghamshire
United Kingdom
NG11 6JS
t: 0115 931 5777
w: www.gtweed.com

Manufacturers of high performance sealing systems and Xycomp complex thermoplastic composite parts.

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Harris RCS

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Bayton Road Ind Estate
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A privately owned company established in 1975, specialising in the supply of precision parts to aerospace. Sub-contract CNC machining to customer requirements.

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Henton Engineering Ltd

Faraday Road
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t: 01455 238331
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Machined component supplier to aeroengine/aerospace industries.

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Hollycroft Engineering

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Aerospace machining and sub-contract commercial machining and grinding.

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Hucknall Sheet Metal Engineering Limited

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Specialists in 2D & 3D laser & waterjet cutting, micro waterjet cutting, routing, punch press, 5 axis milling, 5 axis machining, CNC bending, fabrication and assembly. Non-conventional machining and welding to Nadcap. state of the art fully programmable welding systems. Prior part marking verification & CMM inspection service available. Reverse engineering capabilities. Thirty years experience as a tier one supplier. Rolls-Royce Deutschland, Rolls-Royce sector civil & marine approved. Involved in development work for Rolls-Royce Fuel Cells, renewable energy projects. Subcontractor to Rolls Royce Heritage Trust. All work approved to Rolls-Royce Sabre.

Tracey Tolliday
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Icon Polymer Group

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Icon Polymer's portfolio of critical components includes aircraft platform, aerodynamic window seals, high and low pressure door and window seals, electrical connectors, oxygen supply hoses, specialist ducting, precision mouldings leading and leading edge aerodynamic seals. Aircraft seals produced from a range of silicone and polychloroprene facilitate a wide range of operating temperatures and when combined with fabrics such as glass, cloth and polyester, performance is further enhanced. Applications include canopy and hatch seals, aerodynamic wing fillet seals and inflatable seals. Sealing sections are available in a range of configurations, incorporating fabric and metal inserts for strengthening or for mounting location. Icon produces the most comprehensive range of aircraft oxygen-supply hose systems in Europe.

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Ilmor Engineering Ltd

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Ilmor has a long established, successful history in motorsport and high performance engineering. We also offer precision subcontract machining services having an extensive range of machine tools, backed up by a full complement of CMM equipped inspection department. Having gained AS9100/C accreditation in 2013 we have continued to increase our business in the aerospace market. We are very proud to have gained a Boeing Silver Supplier status from our work with this company. Ilmor can offer a fast, flexible service, but with the commercial sensitivity and qualified working that is a requirement of meeting AS 9100 procedures.

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IM Kelly Aerospace

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IM Kelly was established in 1975 and supplies a range of interior products into the aviation, automotive, rail and marine markets. IM Kelly Aerospace manufactures soft interior and trimmed products for all types of aircraft and all classes, from economy to super first class. The core business is the manufacture of seat covers in leather or fabric as well as curtains, surged carpets and trimmed parts such as arm rests, dado panels etc. IM Kelly Aerospace can also provide a range of cabin interior products like blankets, headrest covers, fire containment sacks or bespoke cabin bags.

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Indestructible Paint Limited

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t: 0121 702 2485
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Inventors, developers, manufacturers and suppliers of engineering coatings and coatings for engineering, specifically for aero engine, airframe and aerospace accessories including heat exchangers, undercarriages, propellers, gas turbines; also production aids such as laser and acid bath stop offs.

Richard Banks
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Invotec Circuits (Tamworth) Limited

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Invotec specialises in the manufacture of high reliability, complex multilayer, HDI and flex rigid PCBs for the European aerospace and defence sectors. We have the capability to manage a vast array of leading-edge materials and technologies, which have been developed in partnership with our customers, to deliver optimum performance under extreme conditions. Through design support, prototyping and serial production fulfilment, we deliver world-class products from our UK facilities. Unrivalled technical capabilities, coupled with innovation and close customer relationships, ensure a comprehensive and competitive service-backed offering. Approvals include Nadcap (Electronics), AS9100C and SC21 Bronze Award.

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**ITP Engines UK Limited**

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Design, test and manufacture of aero-engine components, systems and modules. Partners and suppliers to the world's leading aircraft engine makers.

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JJ Churchill Ltd

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We are a UK based, family-owned private precision engineering company founded in 1937 to provide sub-contract machining to the aerospace industry. The company subsequently diversified into power generation and defence markets. Our comprehensive engineering facility is dedicated to manufacture and supply of finished components and assemblies to a variety of 'blue chip' OEM customers. Products range from diesel-engine components and assemblies machined from ferrous and non-ferrous castings, through to gas-turbine blades 5-axis milled from bar, oversized and or precision forgings or castings in titanium and nimonic materials.

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t: 01922 743133
w: www.kepston.co.uk

Sub-contract CNC internal and external jig grinding, con-tig general surface grinding processes and wire erosion. Kepston have over 75 years of precision grinding expertise; this, combined with continued investment in the latest precision grinding equipment, provides the complete solution to all of your precision grinding requirements.

Danagh Taylah
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Kigass Aero Components Ltd

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Warwick
Warwickshire
United Kingdom
CV34 5LW
t: 01926 493833
w: no web

Sub-contract manufacture and assembly of components for the aerospace and autosport industry. Kigass have an engineering team to take customer drawings, and, using CAD/CAM, programme our range of modern CNC machines to produce customer designs. Using our range of 3 to 5 axis machining centres we specialise in the manufacture of components from solid avoiding prohibitive lead times for forged and cast parts. We have 2 to 7 axis CNC tuning, CNC EDM and wire erosion, gun drilling, surface and CNC cylindrical grinding. Test house facility for fuel, oil, water and air flow checks, calibration and pressure testing.

Peter Platt
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KMF Precision Sheet Metal Limited

Millennium Way
High Carr Business Park
Newcastle-under-Lyme
Staffordshire
United Kingdom
ST5 7UF
t: 01782 569060
w: www.kmf.co.uk

KMF provides world class customer service and solutions in the field of fully integrated bespoke metal work. With sales of over £30m, 340 committed employees and 130,000 sq ft of UK & Eastern European manufacturing facilities. KMF customers can be assured of a professional response, production flexibility and total quality assurance from our systems driven approach. AS 9100, BS 9001, I4001, I8001

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Knight Strip Metals Limited

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United Kingdom
B8 1BH
t: 0121 322 8400
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Established for over 70 years, Knight Strip Metals are specialist stockholders and processors of precision strip metals, stainless steels, nickel alloys, titanium and non-ferrous materials. Thin strip and foils form the strongest area of our relationship with the aerospace and defence industries. We combine our specialised, narrow rotary shearing skills with expertise in handling wide thin gauge strip in the supply of aerospace approved materials and services.

Heath Davies
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Manthorpe Engineering Ltd

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Ripley
Derbyshire
United Kingdom
DE5 3ND
t: 01773 514 200
w: www.manthorpe.co.uk

Manthorpe Engineering Ltd is a supplier to the power generation, aerospace, defence and processing industries through its impressive precision machining and fabrication facilities. With CNC machining capacity including 5 axis milling/turning up to 3.0 metre diameter and fabrications up to 30 tonnes we can offer a wealth of experience working in aluminium, carbon steels, stainless steels and the exotic alloys including nimonic, inconel, waspaloy and titanium. Manthorpe has chosen UniGraphics NX6 as its CAD/CAM design and modelling package for the most challenging machining operations. We can also offer assemblies, testing and site installation services.

Mark Elliott
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Directory of companies producing flying systems and parts



Maycast Nokes Precision Engineering Ltd
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CO9 1EX
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Maycast-Nokes Precision Engineering is a privately owned company specialised in the manufacture of high quality precision castings. Operating from a single site our facilities include two modern foundries, Nadcap approved NDT and heat treatment departments, a metallurgical laboratory and a CNC machine shop. In addition to being ISO9001:2008 and AS9100 Rev C accredited we also hold a range of aerospace and defence company approvals. We can work from fully dimensioned 2D drawings or 3D CAD models and using rapid prototyping techniques supply castings on short lead-times for initial trials or fit, form and function tests. We can proceed to supply production quantities, from hard tooling, of machined, finished and assembled castings.

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Meggitt
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Several Meggitt companies are located in the Midlands including: Meggitt Aircraft Braking Systems (Coventry), a leading provider of wheel and braking systems products and services; Dunlop Equipment (Coventry), a supplier of pneumatic equipment and sub-systems for many aerospace and defence applications; Meggitt Control Systems (Birmingham), a provider of heat exchanger technologies to manage temperature by controlling and regulating the flow of system fluids; Meggitt Polymer Systems (Shepshed), designers and developers of precision-engineered sealing systems for multiple engine and airframe applications; and Meggitt Thermal Systems (Coventry), which produces electro-thermal and engine bleed air ice protection equipment including composite structures such as inlets and nacelles.

Ian McMurray
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United Kingdom
ME20 7BU
t: 01622 718642
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Manufacturing excellence in plastic and metal; at MEP we focus on delivering high quality components within your tight timescale from our AS9100 and ISO14001 environment. We specialise in the manufacture of complex metal and plastic parts, and our focus on quality and on-time delivery has led MEP to win multiple SC21 awards and preferred supplier status for some of the most prestigious aerospace and defence companies in the world.

Alan Fisher
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t: 01527 406400
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Mettis Aerospace is a leading global service provider of precision-forged and machined components in titanium, aluminium and special steels. We excel at working with a diverse range of alloys and metals that can be forged and machined into numerous asymmetric and complex shapes. From conceptual design to test and certification, we provide our customers with a vertically integrated offering – this approach allows us to heat-treat and test our forged products, with the ability to supply fully machined and processed components straight to our customers. We base ourselves on maintaining a world-class status that revolves around exceptional customer service, engineering excellence, highly experienced management and continuous improvement.

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MGS PRECISION

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Manufacture of Densamet tungsten products for the aerospace, nuclear and motorsports markets, with 5-axis machining expertise in specialty metals.

Alan Dunbar
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Micro Spring & Presswork Ltd
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Micro Spring & Presswork are specialist manufacturers of a wide range of springs, presswork and assemblies and are accredited to AS9100 Rev C, NADCAP merit status and SC21 Bronze. Components are produced for customers spanning a broad spectrum of industry including aerospace, medical, telecoms and high-tech manufacturing. Our experience and strengths enable us to partner companies to assist from prototype and development through to volume production. With over 45 years in business we also have the experience and knowledge to offer flexible and innovative supply solutions that can add real value to your supply chain.

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Micrometric Limited
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Micrometric Ltd provide a sub-contract laser manufacturing service including laser machining, profiling, drilling, welding, engraving and etching applications. The company has 12 laser systems including: Fibre, Nd:YAG and CO₂, on up to five axis CNC control. This activity is supported by a conventional CNC machining, scanning, small press, wire EDM and grinding capability.

Neil Main
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Midland Alloy Limited
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Established for over 40 years, Midland Alloy specialise in: bending & stretchforming of aluminium extrusions to complex 2D & 3D shapes; 5-axis CNC machining of small and large components within a 5000x3000x1000mm envelope; coded TIG welding including very small extrusions; tooling & full form fixture design and manufacture; CMM inspection & verification; fabrication, finishing and assembly. Many types of aluminium trims and components have been produced for aircraft seating, tables and partitioning. We operate from purpose-built 22,000 sq ft premises. Modern technology is combined with traditional craftsmanship and specialist skills. With a zero-defect philosophy, quality products are manufactured to demanding shapes and tolerances. Technical support is offered at all stages of product development.

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Midland Tool & Design Limited

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With over 40 years' experience, Midland Tool & Design (MTD) has the skills to deliver the precision engineering services you need. Our commitment to quality now extends to aerospace with our AS 9100 accreditation. Our clients include demanding and high profile names in industries such as: medical, automotive, food, project management, metals packaging, aerospace & defence, housing & construction, consumer products, oil & gas exploration, precision engineering services. Our precision engineering services include: progressive tool and die design and manufacture; contract CNC precision engineering services; high speed precision stamping; precision ceramic components; complete tooling services.

Nick Brittle
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MJ Sections Limited

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Precision cold and hot formed fabrications for aerospace, including section rolling, brackets and assemblies, pressings and fabrications, machined parts, sealing rings and wires, airframe stringers, made from stainless, titanium, nickel and nimonic alloys and aluminium.

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MNB Precision Ltd

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MNB Precision specialise in world class precision engineering and CNC machining services, manufacturing some of the world's most challenging components. Our core business is the development of specialist components for the oil & gas, energy, including nuclear and aerospace services industry. We have developed a reputation for successfully tackling difficult parts in exotic materials such as Inconel, beryllium copper, titanium and a range of non-magnetic and super duplex stainless steels. With a 'can do' culture, we are always ready to explore new concepts, develop ground breaking methods and take on the most demanding of challenges.

David Farrow
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Momentum Engineering Ltd

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Momentum Engineering builds on over 40 years of supplying customers with dependability and reliability in the automotive, aerospace, railway, construction, petro-chemical, electronics and defence sectors. We are an accredited ISO 9001 company providing high-precision components internationally. AS9100 accreditation is in process with completion in September 2014. Our CNC machining projects range from one-off prototypes through to large batch sizes, requiring 24 hour unmanned machining. Continuous investment in the latest technology and machine tools confirms we offer exceptional flexibility, versatility, reliability and efficiency. Our 2014 investment in a Mazak VTC 800/30SR offers our customers outstanding five axis versatility up to 3m in the X axis, with unsurpassed accuracy.

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Moog Aircraft Group

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Design, manufacture, assembly and test, servicing and repair of hydraulic, mechanical electrical/ electronic flight controls, actuation systems and other aircraft equipment.

Stuart McLachlan
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Morgan Technical Ceramics - Certech

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The Certech division of MTC manufactures ceramic components for the aerospace and IGT markets. Other MTC products include engineered ceramic cores and components, braze alloys, ceramic/metal assemblies, metal injection moulded components, hard coatings, piezoelectric ceramics, microwave ceramics and high voltage & RF capacitors.

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M P Engineering is a AS9100 BSI approved company. We have recently enrolled onto the SC21 programme. Established in 1981, we have over 30 years experience in producing precision components for a variety of industries. We now specialise in the simultaneous machining of 5 axis components, which, alongside our CNC milling, turning and EDM capabilities ensures that we are well equipped to handle the reduced lead times and exacting quality requirements expected in today's demanding markets. Our new investment in plant enables us to not only maintain our enviable record of producing small batches for Formula 1 but seriously engage aerospace customers with cost effective contracts for larger batches.

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Nasmyth Group Limited

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Nasmyth Group is a cohesive group of engineering businesses that consistently provides high quality services and products. The Group offers world class design, manufacturing assembly and product support service across the fields of precision mechanical and electro-mechanical engineering. A key strength of Nasmyth Group is its ability to offer customers a flexible and efficient "one-stop solution." Our impressive in-house capability and on-going investment programme ensure that we remain at the forefront of manufacturing technology. For requirements ranging from specialised design contracts, which employ a full range of mechanical and electro-mechanical skills, to the production of complete assembled products, Nasmyth aims to exceed customer expectations every time.

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NMB-Minebea UK Limited

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NMB-Minebea UK Ltd is wholly owned by Minebea Co. Ltd of Japan and forms one part of its worldwide rod end fastener business unit. Each factory has its own key area of expertise. Lincoln's core competence is in landing gear bearings, aerospace bearings of swaged and split construction, helicopter, tram coupling and special vehicle suspension bearings. With the UK factory, two further manufacturing facilities in Japan and a sizeable support factory in Thailand, we have the capability to provide an engineering solution to all of our customer requirements.

Alan Morton
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Directory of companies producing flying systems and parts

O.L.D Engineering Limited

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A family owned precision sub-contract machining company specialising in small to medium batch work, a tier one supplier to a major international blue chip company.

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PAB Coventry Limited

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Charter Avenue Industrial Estate
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t: 02476 694419
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At PAB we have a proud history within the aerospace industry. Our customers look for the very best in components quality and when it comes to pressings, brackets and welded assemblies they rely on PAB to deliver. PAB have longstanding relationships with Serck Aviation and Meggitt. This market sector demands high specifications in materials and tolerances to meet safety standards. Our quality accreditations ensure we are best placed to meet our client's rigorous process controls which you would expect from this industry. Again, our investment on the latest manufacturing processes and techniques enables PAB to fulfil our client's requirements.

Rob Lewis
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Paragon Engineering & Logistics Ltd

41 Fordhouse Road Industrial Estate
Steel Drive
Wolverhampton
West Midlands
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WV10 9XF
t: 01902 789888
w: www.paragon-eng-log.com

Make-to-print low-volume high-variety for new product introduction, production and spares with precision and general machining capabilities using CNC and conventional machines including all types of turning, milling, deep hole drilling, grinding, honing, minor assembly work, gear manufacture along with material procurement, management and control of sub-contract processing including NDT, EDM, heat treatment and coatings. Ensuring that the resultant service achieves a standard that complies with customer requirements, the company complies with all national/international standards and all subsequent revisions, including the Health and Safety at Work Act 1974 and the aerospace standard AS9100 and BS EN ISO9001.

Steve Price
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Parker Precision Ltd

Vulcan Works
Vulcan Road
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t: 01902 353453
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Precision CNC machinists specialising in small components manufactured from exotic materials using the latest equipment.

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Pentaxia Limited

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t: 01332 574870
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Pentaxia combines a significant machining division with a high quality composite manufacturing operation. This allows us to offer a comprehensive manufacturing and supply service to the aerospace market. We already supply patterns, moulds, jigs and fixtures to the major Tier 1 suppliers in the industry. We have been ISO 9001 approved for the past five years and during 2013, we expect to achieve AS9100 Rev C certification. We pride ourselves on cost effective predictable performance that seems to please our customers, which is why we have been growing at 50%+ per year.

Stephen Ollier
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Perfect Bore Manufacturing Limited

Unit 3 Hunstrete House
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United Kingdom
SP10 3TZ
t: 01264 360800
w: www.pbm-ltd.com

Subcontract deephole boring, gundrilling, honing, superfinishing, internal lapping, CNC datum turning.

Steve Amey
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Phoenix CNC Engineering Ltd

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t: 0115 9469896
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CNC machining and fabrication of aerospace parts and components using 5, 4 & 3 axis machines. The company specialises in fast response at reasonable prices. We utilise two CMM inspection machines to ensure a quality product. Current approvals include AS EN 9100, ISO 9001 2008 and Airbus.

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PK Engineering Ltd

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t: 01432 279373
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PK Engineering has expertise and experience in a wide range of technology and industry sectors. The company is focused on CNC precision machining of component parts including a comprehensive range of stainless steels, aluminium alloys and polymers. With an extensive list of approved suppliers for treatments/metal finishing we will provide finished components of genuine excellence to your door via our own transport. Aerospace and defence products include antenna, horn, radome, piston, and filter components, via prime subcontractors for M.O.D., civil and military aircraft.

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Plastic Coatings Limited

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Plastic Coatings can solve all aerospace coating requirements. Our Kingswinford site, approved to AS9100, is widely approved by aerospace manufacturers for low friction, heat resistance, non-conductive and corrosion resistant coatings. With over 50 years experience we can offer technical support to determine the best coating for almost any application. Plastic Coatings offer a wide variety of coating processes including electro paint, electrostatic powder coat, fluid-bed coating, nylon, PTFE, phenolic, halar and many others. Two dedicated production cells provide the perfect environment for technically demanding coating processes.

Malcolm Edwards
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Poeton Industries Ltd

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Poeton are a privately owned surface treatments group based in the UK. Production facilities are based in Gloucester and Cardiff. The group employs 150 across its two UK sites. The business was founded in 1898. A JV, called ATC Poeton, was established in 2012 and has treatment capabilities in Singapore and Malaysia. Our expertise covers design support, research & development & low, medium and high volume processing on a wide range of surface treatments, many trade-marked under the Apticote brand name. Our customer base covers all manufacturing sectors and we have a global customer base. Poeton R&D can provide wear and corrosion testing as well metallography and chemical analysis.

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PowerKut Limited

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Engine, airframe, industrial gas turbine and defence machined and fabricated components supplied to customers globally. Machined components of all sizes and all metals including aluminium, magnesium, stainless steels to nickel and cobalt alloys. Nuclear components and assemblies supplied across the globe. UKAS electrical and mechanical calibration sites in Birmingham and Coventry providing full asset management and facilities management with paperless online certification and asset tracking. Single and multi-site total asset management program for gauge calibration and testing, including full repair and overhaul of equipment. OEM manufacture of laboratory inspection equipment accuracy of 0.0001mm. Manufacture of standard range of thread gauges, plug gauges, multi meters, pressure gauges, micrometers.

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**Pre-Met Limited**

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Pre-met is one of the largest precision engineering companies in the U.K. and Europe. We specialise in contract metal presswork and metal stampings which enables us to manufacture precision metal components of a complex nature for aerospace customers around the globe. Based at Redditch in the heart of England we are able to offer: prototyping, tool design and in-house tool production, component design and production feasibility evaluation, a comprehensive tool transfer service, efficient high quality manufacturing, low and high volume production, assembly & lead wire services, moulding and machining. AS9100 accredited and SC21 Bronze Award holder.

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Preci-Spark Ltd

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Preci-Spark is a process based company specialising in forming, laser machining, EDM and vacuum brazing. The company has a comprehensive CNC machining capability. Core component competences include the manufacturing and supply of honeycomb seal assemblies, cooling inserts, stator vanes/assemblies together with a very extensive sub-con capability. The company holds the UTC Supplier Gold standard and meets all class leading performance monitors.

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Precision Micro Limited

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Precision Micro has over 40 years experience in the manufacture of precision components for safety critical systems. Our process technologies include chemical etching, electroforming, wire EDM and technical finishing and plating. Typical components manufactured include heat sinks, grilles, heating elements and electronics components, all from a wide range of aerospace grade materials, such as high tensile stainless steels, heat resisting steels, aluminum, aluminum bronze, aluminum lithium, titanium, beryllium copper, phosphor bronze, Inconel®, Nimonic® and Incoloy® alloys. Precision Micro is registered to comply with AS9100, has CAA approval and has accredited supplier status from a large number of major international companies.

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Ricardo UK Limited

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Ricardo High Performance Transmission Products is an approved sub-contract manufacturing company to the aerospace industry. We are approved to ISO 9001:2000, AS 9100 Revision B, and we specialise in the manufacture of high-quality gears and splined shafts that are produced in all kinds of materials. We have the added advantage of being able to grind gear profiles from solid, thus eliminating the lead time required for cutting tools. Added to this we also have in-house "high speed" 5 axis, 4 axis and 3 axis milling capabilities.

Mick Strong
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Rolls-Royce

Rolls-Royce PLC

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Rolls-Royce is a global company, providing integrated power solutions for customers in civil and defence aerospace, marine and energy and power markets. We support our customers through a worldwide network of offices, manufacturing and services facilities. In civil aerospace Rolls-Royce is powering over 30 types of commercial aircraft. The installed civil engine base is around 13,000 and in 2014 the Trent XWB, world's most efficient aero engine is due to enter in service. In defence aerospace Rolls-Royce is supporting 160 customers in over 100 countries and has 16,000 engines in service. In Marine, Rolls-Royce is the leader in clean, efficient power and propulsion systems and has equipment installed on over 25,000 vessels for 4,000 customers.

RTI Extrusions Europe Ltd

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Osborn Metals is a UK headquartered manufacturer, producing special extruded solid and hollow profiles in all grades of steel and titanium; sections used in both airframe and engine; low cost tooling and flexible on quantities; cold drawn precision profiles in carbon and alloy steels; cold drawn precision tubing in carbon and alloy steels used in aircraft structures, helicopter undercarriage and driveshafts, roll cages etc.

Richard Towers
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Directory of companies producing flying systems and parts

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RTI International Metals, Inc. is a leading vertically integrated supplier of titanium and specialty metal mill products, parts, specialized engineering and other services to global customers in markets that include aerospace, defence, energy and medical devices. Headquartered in Pittsburgh, Pa., RTI International Metals employs more than 2,500 people in facilities located in North America, Europe and Asia. RTI's products fly on the most modern airliners, defend our troops, retrieve oil and gas from ocean depths and sustain life in operating rooms around the world. Operations include, titanium manufacture, material conversion, component manufacture, assembly and engineering services.

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Rudd Macnamara

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Suppliers of labels and nameplates to the aerospace industry for over 50 years. We are certified to BS EN ISO 9001:2008, and hold customer approvals including: Rolls-Royce Plc - SABRe, Rolls-Royce Deutschland - SABRe & Goodrich Actuation Systems. We also supply Bombardier, Serck Aviation, HS Marston and other aerospace companies. We have the broadest process capability in the industry, for example - etching of stainless steel, brass and aluminium nameplates, data plates, sulphuric anodising of aluminium labels and plates, screen, lithographic and digital printing of labels and plates on metals and plastics, fabrication of parts using on site press shop facilities & 2D data matrix marking and bar coding.

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Schivo Group

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SCHIVO Group has over 35 years expertise in the manufacture of high-precision machined components, complex fabrications and complex assemblies, operates from four facilities in Ireland and the UK. Serving the medical device, instrumentation, aerospace, process control, electronics, IT/telecom, automotive and oil & gas industries, SCHIVO Group has established a reputation for innovation, performance and excellence within its customer base. Employing circa 130 qualified, trained and empowered staff, SCHIVO Group operates a fully integrated manufacturing and supply capability with high levels of customer focus, quality and cost competitiveness.

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Semelab Limited has been a leading provider of high-end, innovative electronic solutions since 1974. A diverse, worldwide customer base benefits from our design innovation, our manufacturing strength and our total commitment to quality. Customers around the world are using Semelab devices in equipment such as space vehicles, aircraft equipment (both civil and military), telecoms and industrial power electronics. Specialists in: power modules; power diodes and MOSFETs; high reliability and space products; standard and custom discrete solutions; high performance RF MOSFETs; standard and custom opto devices.

Stacy Denton-Beaumont
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Shaw Sheetmetal (Rugby) Ltd

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Sheet metalwork and fabrication including in-house CNC laser cutting, punching, folding, machining and electro powder coat painting.

Phil Shaw
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SIFCO Applied Surface Concepts (UK) Ltd

Units 12 - 14, Aston Fields Trading Estate
Aston Road
Bromsgrove
Worcestershire
United Kingdom
B60 3EX
t: 01527 557740
w: www.sifcoasc.com

SIFCO Applied Surface Concepts are a global leader in the field of selective brush plating. They offer in-house or on-site services for brush plating of components whether it be new part enhancement or repair to damaged or worn parts. They are also able to offer brush plating chemicals and equipment along with training courses on selective brush plating methods.

Mark Smith
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Sigma Precision Components UK Ltd

Alan Bray Close
Dodwells Bridge Industrial Estate
Hinckley
Leicestershire
United Kingdom
LE10 3BP
t: 01455 445500
w: www.sigmacomponents.co.uk

Sigma Precision Components UK Ltd manufactures rigid pipe assemblies, precision machined components and fasteners for aerospace and other markets. From simple components to complex assemblies of rigid pipes and fabrications, we have 100 employees and 50,000 sq ft of modern facilities. Our specialist processes include tube manipulation, fabrications, machining, welding, brazing, NDT, X-ray etc. Among our approvals are AS9100, NADCAP, ISO14001, Rolls-Royce etc. Access to our sister company Chengdu Sigma Precision Components in China allows us to offer local supply whilst offering the highest possible value to our clients where we hold a leading position in our chosen markets.

Michael Andreae
e: mike@avingtrans.aero

SL Engineering Ltd

Temple Road
Aslackby
Sleaford
Lincolnshire
United Kingdom
NG34 0HJ
t: +44 (0)1778 440228
w: www.sl-engineering.co.uk

SL Engineering Ltd provides a full in-house solution for the manufacture of rigid tube assemblies and precision machined components for the aerospace and industrial gas turbine markets. Capabilities include CNC tube manipulation, CNC multi-axis precision machining, computerised orbital / manual tig welding, brazing, CatiaV5 CAD/CAM systems directly linked to contact / laser non-contact CMMs, pressure testing (nitrogen, hydraulic and air), and radiographic / dye-penetrant NDT inspection. With AS9100 and NADCAP approvals, over 50 years experience and state of the art plant and equipment, we have an internationally recognised reputation for producing very competitively priced high-quality products used on many of today's leading aerospace programmes.

Shaun Stevenson
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Smiths Metal Centres Ltd

Unit 3 Power Station Road
Rugeley
Staffordshire
United Kingdom
WS15 2HS
t: 01889 576117
w: www.smithmetal.com

Smiths Metal Centres is a stockholder and supplier of all forms of aluminium, brass, bronze, copper and steel as well as many other metals and plastics. Whatever alloy, grade, shape, size or specification, we aim to have it in stock and ready to be dispatched today. We offer many supply options and processing services that can enable our customers to make significant cost savings.

Martin Underhill
e: underhillm@smithmetal.com

Southwest Metal Finishing Ltd

Alphinbrook Road
Marsh Barton Trading Estate
Exeter
Devon
United Kingdom
EX2 8TJ
t: 01392 258234
w: www.eicgroup.co.uk

We are part of the EIC group of companies and have over 75 years experience in offering a very comprehensive range of high quality electro-plating, anodising, chemical conversion coatings and non-destructive testing. We hold many aerospace prime approvals as well as Nadcap, AS 9100 & ISO 14001. We also carry out work for the defence, marine and automotive industries. We can also offer a one stop shop for metal treatments as we have the option to paint at our paint facility. We can also offer technical support on new projects to identify best practices/ applications.

Chris Smith
e: chris-s@eicgroup.co.uk

Spincraft ETG Ltd

9 Shelley Road
Newburn Industrial Estate, Newburn
Newcastle Upon Tyne
Newcastle upon Tyne
United Kingdom
NE15 9RT
t: 0191 267 1011
w: www.spincraft-etg.com

Part of Standex International Corporation's Engineering Technologies Group, Spincraft ETG Ltd provide innovative manufacturing solutions to Tier 1 and OEM level companies, supplying formed metal components and assemblies used in a wide range of performance critical industries.

Brian Batchelor
e: bbatchelor@spincraft-etg.com

Staffordshire Precision Engineering Ltd

Redmine Close
Newcastle Under Lyme
Staffordshire
United Kingdom
ST5 9HZ
t: 01782 667813

Staffordshire Precision Engineering utilise the latest CNC machine tools, a dedicated and highly skilled work force together with highest quality accreditations to produce high precision components for numerous different industries.

Phil Smith
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Surface Technology Plc

Alpha Business Park
Coventry
West Midlands
United Kingdom
CV2 1EQ
t: 024 7655 1401
w: www.surfacetechnology.co.uk

Surface Technology plc provide specialist surface coatings as part of a group of specialised coating companies comprising Armourcote, Surface Technology, AST and Ultraseal. We are dedicated to providing surface and corrosion resistant coatings. We provide high performance coatings across the globe. We provide a range of coating and plating services, with over 40 years experience in the development and application of high performance surface treatments, we have gained a reputation as a leading global supplier in the development and application of surface coatings for clients across a broad spectrum of industries.

Debbie Reilly
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Tamworth Heat Treatment Ltd

7 Darwell Park
Mica Close
Tamworth
Staffordshire
United Kingdom
B77 4DR
t: 01827 318030
w: www.tamworth-heat.co.uk

Vacuum heat treatment and surface engineering for aerospace, defence and specialist component manufacturers.

Alan Whitehouse
e: ALAN@TAMWORTH-HEAT.CO.UK

Technetics Group UK

Acan Way
Coventry Road
Narborough
Leicestershire
United Kingdom
LE19 2FT
t: 0116 272 7411
w: www.techneticsgroup.com

Technetics Group UK, formerly Wide Range Elastomers, provides innovative elastomeric sealing solutions for aerospace and defence applications. An extensive range of capabilities, including moulding, hand-fabrication, extrusions and calendaring are available and produced in a comprehensive range of synthetic and natural rubber compounds, with the ability to incorporate reinforcement textiles, metals and composites where required. Sub-assemblies, kitting and direct line feed services are all offered to provide the most effective means of supply with solutions being tailored to suit specific customer requirements.

Steve Hill
e: steve.hill@techneticsgroup.com

Techniswage Ltd

Unit 3B
Summit Crescent Industrial Estate
Warley
West Midlands
United Kingdom
B66 1BT
t: 0121 553 2364
w: www.techniswage.com

A leader in tube end forming and tube manipulation. Serving several blue chip aerospace companies, we are involved in the manufacture of over forty different aircraft parts, working in metals including stainless steel, titanium, aluminium alloys and most carbon steels.

Paul Fellows
e: sales@techniswage.com

Technoset Ltd

Unit 3A Roman Way
Glebe Farm Industrial Estate
Rugby
Warwickshire
United Kingdom
CV21 1DB
t: 01788 560522
w: www.technoset.com

Manufacturers of high precision turned and milled components and assemblies using multi axis CNC turning & machining centres, mainly for aerospace and defence, telecoms, motor sports and medical industries.

Kevan Kane
e: kevan@technoset.com

Tekdata Interconnections Limited

Innovation House
The Glades
Stoke on Trent
Staffordshire
United Kingdom
ST1 5SQ
t: 01782 254700
w: www.tekdata-interconnect.com

Turnkey outsourcing capability for avionics, defence, space and autosport. Capabilities are almost unrivalled in breadth, including electric/ electronic cable and harness design, qualification, rapid prototyping and manufacture (copper, fibre optic, metal alloys and cryogenic), complex cabinet/ box assembly, test, commissioning, repair and maintenance. With its Cryoconnect products, Tekdata is one of very few companies meeting NASA's demanding standards for interconnection systems. Tekdata designs solutions to function, size, weight, routing and/or cost. Tekdata operates from a UK 40,000 sq ft facility on a prestigious industrial site and holds certification to AS9100 REV C and ISO 9001:2008 and approvals (including preferred supplier status) from major aerospace, space and military primes.

Tracy French
e: tracy.french@tekdata-interconnect.com

Directory of companies producing flying systems and parts

Tex Tech Industries

1 Rothe Terrace
Kilkenny
County Kilkenny
Ireland
t: 00353 56 7761426
w: www.textech.us

World's largest supplier of aviation seat fire blocking materials. Designer and manufacturer of state of the art thermal/acoustic insulation for all leading OEMs including Airbus, Boeing, Gulfstream, Bombardier, Embraer and others. TexTech's advanced technologies are specified by military, commercial, business and new composite aircraft. With many years of aviation industry experience we have worked directly with the FAA to pass the strictest FAA, DOT and JAA aviation standards for fire and burnthrough protection. Products used by completion centres throughout the world include acoustic over and between frame blankets, carpet underlay, divider panel and moisture control felt.

Seamus Mulrooney
e: textech2@eircom.net

Thermofax Ltd

Block 2, Grazebrook Industrial Park
Peartree Lane
Dudley
West Midlands
United Kingdom
DY2 0XW
t: 01384 230214
w: www.thermofax.co.uk

Heat treatment services: thermal processing of ferrous and non ferrous materials; stress relieving; annealing; normalising; tempering; age hardening; solution treatment. From 1 kilo to 30 ton furnace charges, lengths up to 8m. 10 ton maximum single lift. Fabrications, tooling, machined components, springs, fasteners, raw materials, castings, forgings, pressure vessels, patterns.

Thomas Bullock
e: tombullock@thermofax.co.uk

Thyssenkrupp Aerospace UK Ltd

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Tyseley
Birmingham
West Midlands
United Kingdom
B11 2BH
t: 0121 335 5100
w: www.thyssenkruppaerospace.com

Thyssenkrupp Aerospace supplies aluminium, special steels and titanium processed to near net shape and delivered on a just-in-time basis. Further value is added by working with customers to optimise their metal usage, reduce their transitional costs, eliminate their inventory and manage their supply chain.

Nigel Evans
e: nigel.evans@thyssenkrupp.com

Timet UK Limited

PO Box 704
Witton
Birmingham
West Midlands
United Kingdom
B6 7UR
t: 0121 356 1155
w: www.timet.com

TIMET is the world's largest supplier of high quality titanium metal products. With its unique combination of strength, light weight, corrosion resistance and other metallurgical properties, titanium is used in hundreds of diverse aerospace, industrial and emerging applications where no other metal is as reliable or economical, especially on a lifecycle costing basis. As a fully-integrated titanium manufacturer and distributor, TIMET's activities span every phase of titanium research, manufacturing and sales. We convert rutile ore into sponge; melt and refine ingot and slab; manufacture mill products; and distribute our products globally.

Ben Kitson
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Timken Aerospace UK Ltd

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WV2 4UH
t: 01902 719300
w: www.timken.com

A leading supplier of friction management and power transmissions solutions to OEMs and aftermarket services.

Mark Doherty
e: mark.doherty@timken.com

Trust Precision Engineering Ltd

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Eastwood
Nottingham
Nottinghamshire
United Kingdom
NG16 3SL
t: 01773 719239
w: www.trustprecisionengineering.co.uk

Trust Precision Engineering is family owned and run East Midlands based company specialising in sliding head machining. A 'no compromise' philosophy has been adopted from day one. The aim is to provide the highest level of service using the best available machine tools, systems and associated equipment. Accredited to AS9100 Revision C, Trust Precision Engineering provide a subcontract machining service to the aerospace and associated high integrity industries

Stephen Doyle
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TTI Group Ltd - Nitriding Services

Hortonwood 40
Telford
Shropshire
United Kingdom
TF1 7YU
t: 01952 677372
w: www.ttigroup.co.uk

Nitriding Services was the first Nadcap approved plasma nitriding facility in Europe. This development is part of a group-wide extension of aerospace and defence industry quality accreditation for all the heat treatment and surface engineering services on offer, and is in response to the increasing demand for independent, third-party certification of the manufacturing supply chain within these sectors.

Martin Dyson
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Tufnol Composites Ltd

Wellhead Lane
Perry Barr
Birmingham
West Midlands
United Kingdom
B42 2TN
t: 0121 356 9351
w: www.tufnol.com

Tufnol Composites Ltd manufacture laminated plastics and composite materials for engineering applications, including phenolic, epoxy, silicone and polyimide resins with glass, cotton and paper reinforcements. We have a comprehensive facility for machining these and other high performance engineering plastics.

Roy Thomason
e: r.thomason@tufnol.co.uk

Turnell & Odell Limited

Sanders Road
Finedon Road Industrial Estate
Wellingborough
Northamptonshire
United Kingdom
NN8 4NL
t: 01933 222061
w: www.toengineering.co.uk

With over 100 years experience in the machining of precision engineering components, Turnell & Odell Ltd. is one of Europe's leading suppliers to the engineering and technology sector, offering a comprehensive sub-contract and repair facility. Turnell & Odell Ltd. offers specialist low volume prototype development as well as high volume manufacturing, and is equipped with a broad range of modern CNC machinery. Our philosophy is to keep abreast of advanced engineering techniques by continuous investment in the latest technology, embracing CNC turning, milling/ machining centres, borers, grinders, and other secondary operation machinery.

Clive Odell
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UTC Aerospace Systems - Actuation Systems

Stafford Road
Fordhouses
Wolverhampton
West Midlands
United Kingdom
WV10 7EH
t: 01902 624 644
w: <http://utcaerospacesystems.com/about/actuation-systems/>

UTC Aerospace Systems has a global market lead in the design, manufacture and through-life support of actuation systems for large commercial, regional, business and military aircraft as well as for helicopters and precision weapons. We develop and supply primary and secondary flight control systems, trimmable horizontal stabiliser actuation (HSTA or THSA), high lift (flap and slat) actuation systems, thrust reverser actuation and main and tail rotor and fuel and hydraulic system actuation as well as products for a variety of niche requirements.

Harriet Wollerton
e: harriet.wollerton@utas.utc.com

UTC Aerospace Systems - Marston Aerospace

Wobaston Road
Fordhouses
Wolverhampton
Staffordshire
United Kingdom
WV10 6QJ
t: 01902 572777
w: www.hsmarston.co.uk

Design, manufacture and repair of heat exchangers, ozone converters and fluids management components and systems (PTFE and metallic hose, fuel manifolds, rigid tube assemblies, ducting, lightning insulators) for the aerospace, motorsport and electronics industries.

Peter Law
e: peter.law@hsmarston.co.uk

**Valbruna UK Limited**

Oldbury Road
West Bromwich
West Midlands
United Kingdom
B70 9BT
t: 0121 5535384
w: www.valbruna-stainless-steel.com

Valbruna Stainless Steel, leader in the steel industry and both supplier and producer of stainless steel and special metal alloys, is a privately owned company with over 1,500 employees and production of more than 170,000 tons of special high quality steels. Founded in 1925, Valbruna Stainless Steel maintains its original business strategy of serving niche markets with high quality products and dedicated service to its clients.

Keith Underhill
e: keith.underhill@valbruna-uk.com

Victoria Drop Forgings

Wednesfield Road
Wolverhampton
West Midlands
United Kingdom
WV13 1AG
t: 01902 605 141
w: www.victoriaforgings.co.uk

The company has been established for over 100 years and has supplied forged parts into the aircraft industry since the 1920s. We are dedicated to total quality and service and although we are proud to have achieved over 94% deliveries on time and with over 96% quality right first time, we will not be satisfied until we consistently achieve 100%. Accredited to AS9100C, we supply many of the major OEMs and their 1st & 2nd tiers with closed die forgings in various materials including aluminium alloy and stainless steel for connectors, actuators, levers and general closed die forgings.

Geoff Radford
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Wallwork Heat Treatment Limited

Sydenham Road
Small Heath
Birmingham
West Midlands
United Kingdom
B11 1DG
t: 0121 6282552
w: www.wallworkht.com

Wallwork Heat Treatment operates a 24/7 fully integrated process house that encompasses a comprehensive list of aerospace approved thermal treatments, such as vacuum harden, age harden, solution, precipitation harden, nitride, Tufftride, case harden and annealing of components of various materials. All processing takes place to the exacting standards set out by Nadcap and OEMs such as Rolls-Royce, BAE Systems, Airbus, Bombardier and AgustaWestland. These high end processes are complemented by our lab facilities providing testing and quality monitoring. The Wallwork transport network also allows work to be collected in the majority of the UK and our in-house metallurgical services support the customer before, during and after treatments.

Howard Maher
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Wheelabrator Impact Finishers

Unit 5 Sandy Lane Business Park
Sandy Lane
Coventry
West Midlands
United Kingdom
CV1 4DQ
t: 02476 258 811
w: www.wheelabratorimpact.com

Wheelabrator Impact Finishers is the specialized subcontract supplier to industries requiring outsourced, controlled, automated shot peening services. Our expertise comprises: shot peen forming, correction peening, peen straightening and a full range of fatigue enhancement shot peening. Specialising in meeting demanding timescales, including emergency turnarounds, our unrelenting emphasis on quality is never compromised. We have an extensive list of approvals, including Nadcap, and are justifiably proud of the high levels of service which we provide to our customers.

Tony Grammauro
e: impact@wheelabratorgroup.com

Winbro Group Technologies Limited

Whitwick Business Park
Stenson Road
Coalville
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LE67 4JP
t: 01530 516000
w: www.winbrogroup.com

Winbro is a global leader in providing advanced manufacturing systems and production services for the machining of cooling holes, forms and features in components for the gas turbine industry based upon VIPER creep feed grinding, laser drilling and ablation (milling), high speed EDM (electro discharge machining) and ECM (electro chemical machining) processes. Winbro has installed over 1,000 machine systems in 16 countries on 3 continents. Winbro Advanced Machining (WAM) in the UK and USA provides extensive subcontract component manufacturing services for turbine components using the latest developed technology from all our product areas covered by ISO9001, AS9100C and NADCAP accreditation.

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WTI Fasteners Ltd

Meridian
Leicester Road, New Packington
Ashby de la Zouche
Leicestershire
United Kingdom
LE65 1TR
t: 01283 215588
w: www.wireinserts.com

WTI Fasteners Ltd is a UK based company, established 20 years ago as a specialist manufacturer of helically coiled wire thread inserts. Produced from high quality materials, the insert provides a high performance internal thread which resists the effects of temperature and corrosion. Registered to ISO 9001:2008 the WTI mission is to supply excellent products, and combine that with a high level of customer service and technical support.

Jo Mason
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Zytek Automotive Ltd

Lancaster Road
Fradley
Lichfield
Staffordshire
United Kingdom
WS13 8RY
t: 01543 412789

Design, development and manufacture of micro & high power electronic control systems and electric motors and generators.

Steve Tremble
e: steve.tremble@zytek.co.uk

COMPANY
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CAPABILITIES

	A & M EDM Limited	Abbey Metal Finishing Co Ltd	Accrofab Ltd	Acorn Surface Technology Ltd	ActOn Finishing Ltd	Advanced Chemical Etching Limited	AE Aerospace Ltd	Aero Engine Controls	Aerocom Metals Limited	Aeromet International Plc	AGC AeroComposites Derby	Akzo Nobel Aerospace Coatings Ltd	Alloy Heat Treatment Ltd	Alloy Wire International	Aluminium Special Products Limited	ANT Industries	Arrowsmith Engineering (Coventry) Ltd	Ashton & Moore Ltd	Atlas Composites Limited	Bodycote Heat Treatments Ltd	Bohler-Uddeholm (UK) Limited	British Rema Processing Ltd	Bromford Industries Ltd	Bulwell Precision Engineers Ltd	Burcas Ltd	C & H Precision Finishers Limited	Caparo Accles & Pollock Ltd	CE Turner Engineers Ltd	Chinn Ltd	Cinch Connectors Ltd	Clamonta Limited	Colledge & Morley Ltd						
Adhesives & Coatings	•	•	•	•	•				•		•							•			•																	
Armaments and Related Equipment				•						•									•						•													
Autoflight Systems & Equipment				•		•													•																			
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Propellers & Rotors					•														•				•															
Safety and Rescue Systems & Equipment																																						
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BAE Systems		•		•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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Snecma		•																						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Other																																						

COMPANY
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CAPABILITIES

	KMF Precision Sheet Metal Limited	Knight Strip Metals Limited	Manthorpe Engineering Ltd	Maycast Nokes Precision Engineering Ltd	Meggitt	MEP Ltd	Mettis Aerospace Limited	MG Sanders Limited	Micro Spring & Presswork Ltd	Micrometric Limited	Midland Alloy Limited	Midland Tool & Design Limited	MJ Sections Limited	Momentum Engineering Ltd	Moog Aircraft Group	Morgan Technical Ceramics - Certech	MP Engineering UK Limited	Nasmyth Group Limited	NMB-Minebea UK Limited	O.L.D Engineering Limited	PAB Coventry Limited	Paragon Engineering & Logistics Ltd	Parker Precision Ltd	Pentaxia Limited	Perfect Bore Manufacturing Limited	Phoenix CNC Engineering Ltd	PK Engineering Ltd	Plastic Coatings Limited	Poeton Industries Ltd	PowerKut Limited	Pre-Met Limited	Preci-Spark Ltd				
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Hydraulic Systems & Equipment																																				
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Processes & Shapes																																				
Propellers & Rotors																																				
Safety and Rescue Systems & Equipment																																				
Services																																				
Space Systems and Equipment																																				
Standard Parts																																				
Tooling & Testing/Test Equipment																																				
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Companies offering specialist support services and equipment

ENGINEERING AND DEVELOPMENT SERVICES



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Aernnova is a leading global aerostructures company focused on the design and manufacture of aircraft structures and systems. The Aernnova Group can provide a complete programme service from conceptual design, through testing and certification, into prototypes and full production runs. In particular, the design and manufacture of structures and light-weight components in advanced composite materials is offered not only in the aerospace sector but also to customers in the automotive, rail, defence and energy sectors. Aernnova has established a new division to bring its global services to the UK market, including R&D investment in new technology.

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Altran is a trusted innovation and engineering partner of leading businesses throughout the aerospace and defence sector world-wide. We also work closely with organisations in the energy, life sciences, automotive, rail and telecoms sectors. Our mission is to enable organisations throughout these sectors to develop and deploy leading-edge systems, products and services. We add unique value to our clients by constantly pushing the boundaries of technological innovation, minimising development cost and time to market, and assuring the highest levels of safety and integrity.

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BHR Group

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BHR Group is a UK company providing independent consultancy, research and product development services based on expertise in fluids technology. We provide integrated solutions on many aspects of engineering design and operation covering aero-structures, turbo-machinery, actuation and sealing systems, fluid distribution systems and combustion. Our team of multi-disciplinary experts and external consultants employ advanced modelling tools, analytical techniques and test facilities to deliver solutions tailored to your needs. A well established company, we have build a loyal customer base in many industrial sectors and across the globe based on a reputation for providing effective solutions to complex engineering challenges.

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Eminate is dedicated to the design and commercial application of micro and nano particles, coatings and powders. The business operates across a range of sectors, including: food and ingredients, health, pharmaceuticals and energy storage. Our research and development teams work in partnership with a number of companies, universities and research organisations to develop new products and provide innovative solutions to commercial challenges. We are based in the East Midlands with offices, a fully equipped research laboratory and state of the art production facilities in Sutton Bonington and Nottingham.

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Institute of Materials Finishing

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The Institute of Materials Finishing was founded in 1925, its title then being the Electroplaters and Depositors Technical Society. Its main purpose was to disseminate technical information on electrodeposition by means of technical publications, meetings and conferences. The area of interest broadened into all aspects of surface finishing on metal when it assumed the title of the Institute of Metal Finishing in 1951. In 2013 the name was changed to the Institute of Materials Finishing to embrace all technologies of surface finishing on a much wider variety of materials

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Provider of engineering products and services for aircraft design and testing.

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The MTC represents a £40.5 million publicly funded investment and has been developed in response to the Government's manufacturing strategy which sets out an ambitious new vision for high technology manufacturing. We work with world-class research partners, transferring cutting edge technologies into manufacturing processes in industry. From aircraft engines to automotive production we work with the world's leading manufacturers to bring their products to life.

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Morson Projects Limited

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w: www.sim-cast.co.uk

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VirtualPIE Limited (trading as BHR Group) is a UK company providing independent consultancy, research and product development services based on expertise in fluids technology and fluid-structure behaviour. We provide integrated solutions for many aspects of engineering design and operation covering aero-structures, turbo-machinery, actuation and sealing systems, fluid distribution systems and combustion. Our team of multi-disciplinary experts and external consultants employ advanced modelling tools, analytical techniques and test facilities to deliver solutions tailored to your needs. A well established company, we have build a loyal customer base in many industrial sectors and across the globe based on a reputation for providing effective solutions to complex engineering challenges.

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Warwick Manufacturing Group

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The University of Warwick has an outstanding reputation for research and teaching and is the most successful of the recently founded UK universities. WMG is an academic department established in 1980 to reinvigorate manufacturing by applying of value-adding innovation and cutting edge research. WMG is one of the world's leading research groups, an HVM Catapult partner and an international role model for how universities and business can successfully work together.

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w: www.ndtservices.co.uk

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Smithers Rapra Limited is recognized as a world leading rubber, plastics and composites consultancy delivering a comprehensive and strictly independent service covering: design and material selection, material and product testing, chemical analysis, specialist production and funded research projects. Clients come from the polymer industry and industries using rubber and plastics in any component, product or production process.

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TRaC is a market leading group of testing, regulatory and compliance laboratories, providing full environmental testing, EMC testing, safety testing and FEA services to the global aerospace and defence market. With UKAS accredited test laboratories located in Warwick and Malvern, TRAC provide a single source for turnkey qualification test programmes to international standards, including Def Stan 00-35 and 59-411, RTCA DO160E, MIL STD 810 and MIL STD 461. With our large range of climatic chambers, EMC chambers, and vibration shakers, TRaC can assist our customers testing components up to full military vehicles.

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Westmoreland Mechanical Testing and Research Ltd is a leading materials test laboratory located in Banbury UK. WMT&R, accredited to UKAS 17025 and Nadcap, specialise in a range of materials from common metals and alloys through to aerospace alloys, composites, and adhesives amongst others. Tensile, fatigue and other mechanical/materials tests are performed at ambient sub-zero or elevated temperatures. WMT&R also specialise in materials failure analysis. WMT&R are the European subsidiary of WMT&R Inc.

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Craig Tools International Limited manufacture and distribute aerospace rotary cutting tools and associated aircraft tooling. Our primary focus is on the airframe manufacturing industry and aircraft MRO facilities. Craig Tools is the prime source for 'Microstop' cutting tooling and manufacture tools in high speed steel, cobalt, carbide tipped, solid carbide and polycrystalline diamond PCD. Following the acquisition of Bardolph Aircraft Tools in 2006 we are able to offer a comprehensive range of aircraft tools from our US based partner, suppliers to the UK and European aerospace industries.

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Companies offering specialist support services and equipment

CTR-Carbide Dies Ltd

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Cullum Detuners Limited specialise in the design, manufacture, installation and commissioning of noise control equipment associated with gas turbines and in particular have over sixty years experience supplying jet engine test facilities, hush houses, silencers and other bespoke testing equipment associated with the aircraft industry. One of our most significant test cell projects was the turnkey design and supply of a new 155,000 lb thrust development test bed at Rolls-Royce Derby (58 Bed).

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Exmac Automation is a part of the Macdonald Humfrey group of companies, and specialises in the manufacture of bespoke materials handling solutions. Based in Worcester, the company has the in-house expertise to offer a complete service including design, manufacture, assembly, test and integrated control systems.

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Fuchs Lubricants (UK) is one of the world's largest manufacturers of coolants and cutting fluids and is a leading supplier to the UK aerospace industry. Our innovative range of premium quality metalworking fluids, which includes specialist aluminium grades, has been developed in close consultation with leading manufacturers in the European aerospace industry. Our product portfolio is complemented by a range of tailor-made coolant management programmes, designed to maximise fluid life, cut operating costs, reduce machine downtime and improve efficiency, and our customers are supported by an experienced team of lubrication specialists, solely dedicated to serving the needs of the aerospace industry.

Jill Cowell
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Greentree

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Greentree specialise in the supply and provision of masking, protection and jigging products and have the benefit of over 60 years' experience. As well as our large range of over 9000 standard masking & protection products we also specialise in custom products specifically for application such as powder coating & wet paint, plating & anodising, shot peening, plasma spraying and component protection, etc. With our in-house manufacturing facilities, extensive UK stocks and team of experienced design engineers Greentree provides cost effective solutions to increase productivity, reduce waste, provide a consistent component finish and protect products during storage and transportation.

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GÜDEL

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Güdel are global leaders in supplying handling and automation technology. The design, development and application of precision handling solutions reflects a 50 year track record of innovation and product development. The solutions are typically employed for high performance metal working, assembly or manufacturing applications in aerospace, machine tool, automotive, sheet metal, chemical, food, logistics, nuclear, electronics and process sectors. The company's capabilities also include a worldwide network of manufacturing, sales and service facilities to ensure that all Güdel equipment is backed by the highest standards of product availability and customer service.

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Heinrich Georg (UK) Limited

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Specialist in custom built special purpose equipment & total solutions provider, incorporating design manufacture, installation and after sales. Complete turnkey solutions in aircraft component testing. In-house disciplines of design and manufacture encompassing high speed electronics, qualification, data acquisition and system proving test rigs.

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Hexagon Metrology, in the UK, operates from a purpose-built base in Telford from where it sells and maintains all the Hexagon Metrology Group's brands - including DEA, Leitz, Optiv, Brown & Sharpe, Romer, Leica Geosystems, Cognitens, Tesa and the aerospace standard software PC-Dmis. The product portfolio covers every measuring application with CMMs, multi-sensor and optical machines, portable measuring srms, laser trackers, scanning systems, turnkey solutions, software and hand tools. A large service, support and applications team support all of our products to ensure complete customer satisfaction.

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Hockley Pattern & Tool Co Ltd

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Hockley was founded in 1979 and has grown from a background of automotive patterns and tooling into one of the leading aerospace toolmakers in Europe.

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Industrial Tooling Corporation Ltd

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ITC is the leading UK manufacturer, modifier, re-grinder and distributor of precision round cutting tools in carbide, PCD and HSS. In addition to possessing one of the most modern and well equipped tool grinding facilities in the UK, with CNC grinding machines from Walter, Rollomatic, Anca and Deckel, ITC is sole UK stockist of Widia Hanita Cutting Tools, Widia Metal Removal Industrial Tooling, Air Turbine Technology High Speed Spindles and Micro 100 precision carbide tooling. High performance production tools are available from our extensive stocks. Special-to-product tooling can be designed and manufactured to suit the most demanding applications.

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From lightweight composite materials to exotic alloys, Kennametal is committed to reducing risks and costs in the manufacture of aerospace and defence components. We partner with our customers to implement standard and customised cutting tool solutions with minimum cost per part and high repeatability in mind. Kennametal has unique capabilities and resources to cover the total manufacturing equation from roughing to automated deburring and finishing. Try our best-in-class technologies and services that are used today by our customers to deliver up to 30% cost reduction and 60% cycle time reduction.

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Companies offering specialist support services and equipment



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Global manufacturer and distributor of high-performance standard and customised tools for your industry. Reducing your costs is our speciality; optimized tooling solutions for the machining of applications within many typical aerospace segments, such as airframes, avionics and missiles, aerostructure, control systems and aero engines; wide range of advanced, customised tools for the aerospace industry, for example veined tools, PCD tipped tools and solid carbide tools; an extensive range of high-precision chucks suitable for any situation; with RE•NEW™ tool maintenance your old tools become as good as new - or even better. Efficient tool management gives you complete control over tool consumption and reduces costs of procurement and processing.

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LB Foster Materials Handling are one of the UK's largest suppliers of materials handling and storage solutions. Our offices and 16,000 square feet of manufacturing space are based in Leicester. Products supplied by LB Foster Materials Handling are: overhead conveyors; telescopic boom loaders, van loaders, flexible conveyor systems etc; belt conveyors including belt bends, spirals and merges etc; powered roller, gravity roller, transfers etc; modular slat and chain conveyor; mezzanine platforms; storage racking and shelving, robotic automation. Services available include: technical sales support; in-house design; in-house control systems; manufacturing facilities; project management; installation; after sales service including spares and service.

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Link 51 (Storage Products)

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Midlands-based Link 51 designs, manufactures and installs bespoke pallet racking and shelving systems for a range of requirements including parts and component storage, record and archive storage and personal storage systems. Our solutions can be found in manufacturing and engineering premises across the UK and Europe. We supply the aerospace supply chain with storage solutions for the efficient handling, selection and control of stock and other manufactured products such as palletised goods or individual items which can be automatically or manually picked.

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Supplier of high performance solid carbide milling and drilling tools to the aerospace industry. From its European stock and technical support centre M.A. Ford Europe can advise customers of the best component machining strategy from a supplied model through to producing sample programmes along with estimated cycle times. This process, using the most up to date versions of CAD/CAM software and high performance tooling/cutting data, can drastically reduce customers' cycle times and hence costs.

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Master Abrasives is a leading supplier of abrasives for grinding and finishing applications in various markets, but particularly the aerospace industry. Manufacturing a comprehensive range of abrasive belts with an impressive 5 day lead time, Master represent sia, Standard Abrasives, 3M and Saint-Gobain Abrasives. The portfolio also includes the complete range of Meister superabrasive products and all sizes of Master branded conventional grinding wheels. Other partners of Master include Atlas Copco, Apex Tool Group, Dynabrade, Cratex, Urma Rolls and Darmann. Through the Master Tool Services department, they can offer full support (HAV testing, training etc) and servicing of tools.

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Mills CNC, established over 38 years ago, are the exclusive distributor of Doosan CNC Machine Tools in the UK and Ireland. Located in a modern 36,000sq ft facility in the Midlands, Mills CNC specialise in providing technical engineering solutions to a wide customer base in all industry sectors. Delivering in excess of 300 machines every year, Mills employ over 30 engineers to provide an industry leading service, spares and training support organisation to over 1,500 individual customers with more than 4,000 CNC machine tool installations. Doosan machines are designed and manufactured by the machine tool division of Doosan Infracore

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Mitsubishi Materials UK is an advanced materials & tools business. The entire production process of every tool is carried out in-house – from raw material selection to the end product – therefore, we offer our customers optimised solutions that derive from our leading carbide technology. Mitsubishi tools are created for a vast range of applications; our drills and milling tools are used extensively in the aerospace and automotive sectors, for example. Making full use of our knowledge in the areas of cutting materials and coatings, we constantly improve our successful products by introducing new technologies and expanding our portfolio.

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NHE

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NHE through its well known brands of Plasticraft, Ardrex Engineering and Lancy Technology design, manufacture, install and commission chemical process and surface treatment plant, environmental protection equipment, effluent and water treatment plant, fume exhaust and fume abatement systems, water recirculation equipment and NDT FPI lines both manual and automatic. Most plants supplied today include full computer control and data logging with total traceability features to meet the requirements of NADCAP

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Phoenix Calibration & Services Ltd are specialists in materials testing equipment. Our engineers have a wealth of experience in all aspects of hydraulic test machine design, manufacture and maintenance. In addition to the design and manufacture of new hydraulic systems and ring mains, we can reverse engineer parts to repair existing machines. We also specialise in the supply of creep and stress rupture machines. Our engineers have experience in a wide range of industry sectors, including aerospace, defence, pharmaceutical, automotive, universities, oil field research (rock mechanics), test labs, petrochemical.

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R E Bowers & Freeman Limited

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R E Bowers & Freeman are suppliers of heading punches for forging aerospace fasteners and stamps for second operation marking. Our products have very high quality character definition which results in good production rates and gives excellent tool life. Our continued investment in research into new materials and the development of production methods and procedures is helping us to supply our customers with new ideas to further improve punch longevity and character definition on difficult materials.

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Robotas Technologies has been developing lean semi-automated hand assembly systems to solve process issues across multiple manufacturing markets for almost 30 years. Our systems simplify every hand assembly process to improve quality, reduce rework, eliminate set up costs, reduce training, and boost your profitability. Robotas systems are modular, versatile, dependable and always affordable. SIGMA - The semi-automated lean way to assemble almost anything by hand. Sigma successfully automates and streamlines virtually any hand assembly process to boost productivity. Due to its traceability functionality and its proven ability to achieve improved quality, Sigma is perfect for demanding, mission-critical aerospace and defence applications.

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Specialises in delivering flexible, cost effective, workholding solutions designed to increase work throughput while also reducing handling times, raw super alloy material costs per billet and overall cycle times. Improving aerospace customers' competitiveness by reducing set-up times and increasing productivity. Roemheld is the sole UK supplier of Hilma 5-Axis vices, Stark zero point mounting systems, Jergens vice systems, M-TECS magnetic clamping and Kostyrka clamping sleeves. Workholding solutions from Roemheld include: 5-Axis vices; hydraulic workholding; swing clamps; quick change die clamping systems; hydraulic clamping for bespoke fixturing; power units; zero point mounting; machine vices.

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Supplier of bespoke, turnkey, electro-hydraulic test rig control systems for the aerospace industry. Specialists in customisation, integration and non-standard applications, supplying test rig system modelling with HIL testing services, closed loop servo control systems, control instrumentation with data acquisition. Complete turnkey solution for design, manufacturing and commissioning services. Qualification and production test rigs designed for primary and secondary flight controls, thrust reverser systems, landing gear, utility actuators and other specialist equipment. RTC's main projects are commercial and military aircraft programmes associated with Airbus, Boeing and Bombardier, plus JSF, Eurofighter, Typhoon, Tornado aircraft. RTC supplies test equipment and ground support equipment.

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Sil-Mid are a leading international distributor of adhesives, cleaning compounds, lubricants, oils, greases, sealants, silicones and surface treatment products. We serve a wide global customer base, specialising in aerospace, defence, rail, electronics, telecommunications, marine and general engineering. Our extensive stock file, built up over 30 years, list some 15,000 items from over 400 suppliers. Our vast experience means our ability to source products is available to all our customers, Sil-Mid provides consignment stock, on-line information, ship-to-shore delivery, technical support and training of our customers' staff.

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Snap-On is the leading global manufacturer and distributor of hand and power tools, tools storage and torque equipment for the aerospace industry. Our range includes FOD prevention products and tool control systems, from basic shadow concept to a fully advanced electronic "asset tracking management system." All products conform to international standards and/or aerospace technical specification, SBAC TS48, JDSI200 and MOD Defstans.

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PT Technologies Europe is a leading manufacturer of specially formulated low VOC water-based cleaners and environmentally responsible solvent surface cleaning systems for use in OEM and MRO operations. We promote the development of improved environmental, health & safety and logistic practices through the supply of environmentally responsible, high performance and fit-for-purpose packaged products. We are AS 9100 Rev C certified, a Tier 1 Airbus UK supplier and have received 2 x Material Supplier Awards for outstanding achievement, delivery and quality performance from Airbus UK. In 2013 PT Technologies Europe was acquired by SOCOMORE. We can now propose additional products complimentary with our own, to customers worldwide.

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Companies offering specialist support services and equipment

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Star Micronics GB is a wholly owned subsidiary of machine tool manufacturer Star Micronics Co Ltd, Japan, which produces multi-axis CNC sliding-head and fixed-head lathes. The GB subsidiary is also sole agent in the UK and Eire for the FMB range of short and full-length bar magazines from Germany, as well as for JBS compensating guide bush systems. A particular strength of Star GB is that it has experienced applications engineers able to configure highly efficient, single-operation mill-turning solutions, enabling world class, high added value production of extremely complex parts in exotic aerospace materials.

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Straaltechniek International Ltd

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Straaltechniek International Ltd. is one of the few companies worldwide that both designs and manufactures automated shot peening & high-end blasting machines. Straaltechniek International Ltd. is very flexible in the individualised, tailor-made and bespoke configuration of machines and will always do its utmost to adapt a machine to fulfil all of the customer's requirements. Our footprint extends from the USA to the Far East. A sales and service network is available all over the world. Straaltechniek International Ltd. aims for potential customers within the (high-end) metalworking industries and is specialised in the aerospace industry.

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We design and build electroplating and surface treatment equipment in partnership with the end user. Equipment is selected to specifically fulfil all operational requirements. Our flexibility is paramount in achieving our ongoing success, with trained and experienced engineers available to service, modify or relocate existing equipment. Our constant pursuit of perfection in satisfying the increasing demands of the EC machinery directive, environmental legislation and health and safety keeps us at the forefront of the surface finishing industry.

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Teer Coatings Limited

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Teer Coatings Limited (TCL) provides a physical vapour deposition (PVD) coatings service, and manufactures a range of PVD coating and associated test equipment. TCL also undertakes contract research and development, for example in collaborative projects at the UK and EU level.

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Thyssenkrupp System Engineering Limited

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Thyssenkrupp System Engineering Limited provides concept, design, manufacturing and implementation of automated assembly systems. We are specialists in research, development and implementation of new processes and joining techniques including welding, structural adhesive, laser processing and drill/rivet systems. Other services include provision of equipment lifecycle support with on-site maintenance and design and manufacture of 'low cost' press tooling.

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Tower Tool Company Limited

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Precision engineers and toolmakers to the aerospace elastomer industry, specialising in the manufacture of mould tools to produce airframe seals, fire seals, annulus filler seals, leading edge seals, trailing edge seals, passenger entry door seals, cargo door seals and canopy seals.

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We are respected suppliers of process chemicals to the metal pretreatment plating and aerospace industries. The Trimate Product Treatment division supply both in house technology and market leading chrome free technologies from Bulk Chemicals Inc, hexavalent chrome free technologies from Surtec GmbH (including Surtec 650) as well as aerospace approved treatments such as Alocrom from Henkel. We also have a range of own manufacture aerospace approved products. Winners of the coveted ADS SC21 Bronze award in 2012 for delivery performance to the industry. We also installed a specialist high performance low volume powder coating line in 2012.

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UK Dies Group Limited

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U.K. Dies Group is a precision engineering company specialising in the manufacture of tooling for either cold, warm or hot forging applications. We have extensive facilities at our Birmingham site with a highly skilled workforce supported by continuous investment in the latest CNC machine tools. Around 70% of production is currently exported.

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Vacuum Brazing Consultants Ltd

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Manufacturer, stockist and distributor of aerospace grade brazing and welding filler alloys and auxilliary products. Technical support, training and project consultancy for metal joining. Manufacturer of the VBC InterPulse controlled heat power management tig set for welding of crack sensitive materials. Manufacturer of bespoke welding positional systems.

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Yamazaki Mazak is the world's largest manufacturer of metal cutting machine tools. Products include multi-tasking machines, CNC turning centres, vertical and horizontal machining centres, CNC laser cutting machines, flexible manufacturing systems (FMS), CAD/CAM products and factory management software. Yamazaki Mazak UK Ltd is based at the European manufacturing plant in Worcester, which also houses the UK Technology Centre and gives customers direct access to support from the UK's largest and most expert team of engineers, with vast experience in machine tool applications for almost every industry sector.

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MAINTENANCE, REPAIR AND OVERHAUL

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Line maintenance, AOG support, ad hoc maintenance, AD & SB compliance, short/long term parking, storage maintenance, aircraft partout and disposal.

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Med-Lab, a Cytec Company

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Distributor and supplier of consumable overhaul materials to overhaul bases and airlines world wide, specialising in low volume niche market products.

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RECYCLING

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Tailored material management solutions for the aerospace sector. Certified material destruction to ensure aviation security. Secure material storage, material recovery and up-cycling to ensure maximum customer financial benefits and research driven material management tailored to customer requirements. Secure customer asset storage.

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Meadowbank VAC Alloys is internationally recognised as the established processor of choice within the complex alloy revert processing sector. As a buyer of high value revert material from the aerospace, oil & gas and advanced engineering sectors, our company provides a unique processing facility and is an approved quality supplier to the world-wide vacuum, air melting and blending markets. All our material is recycled and re-melted by our customers to produce prime material thereby creating the environmentally compliant "closed loop". Meadowbank VAC Alloys is undoubtedly the most complete complex alloy recycling solution for customers and suppliers alike.

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PARTS AND LOGISTICS MANAGEMENT

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Supplier of aviation parts.

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Stockists and suppliers of components for the aerospace and defence industry. We also offer support solutions for all aviation world fleet platforms. We have several enabling agreements with major OEMs allowing us to trade on the highest level.

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We provide a wide range of logistical solutions to help streamline your operations, ranging from fulfilment, warehousing, worldwide distribution and delivery sequencing right through to time-critical transport. Our objective is to provide practical solutions along with clear and measurable performance targets.

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CEVA Logistics is a leading global supply chain management company and provides bespoke logistics services to the aerospace and defence sectors. The scope of services covers the design and management of the inbound supply chain, warehousing activities including inventory management, kitting and packaging. Outbound logistics embraces the delivery of engines and spares worldwide and also lineside delivery within manufacturing facilities. The after-sales activities include supporting total care packages for the civil and defence sectors with optimisation of reverse logistics loops to enhance service and reduce inventory.

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Companies offering specialist support services and equipment

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DAHER is an aerospace and defence equipment and services supplier. With a strong focus on research and technology, DAHER conceives the products and solutions of tomorrow, both for its own use and on behalf of its buyers. From manufacturing services to logistics, DAHER offers a comprehensive package: off-site or in-situ logistics, module assembly, production outsourcing, line-side supply, integration on the assembly line, in-service support, with further services and capabilities to bespoke requirements. Each service represents a core expertise that DAHER has the knowledge to combine in order to manage the customer's supply chain from end to end.

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DS Smith Packaging Division specialises in the design and manufacture of heavy duty packaging, supplying packaging solutions to protect, store and transport product locally and globally. We are a local, responsive, network centred at Hinckley, supported by 4 dedicated heavy duty sheet plants, with the resources of DS Smith Plc behind us employing over 20,000 people across 20 countries. Industrial packaging solutions is what our business is all about.

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JJX Logistics specialists provide same day courier service, delivering and collecting to all parts of the UK and Europe. We have a wide range of vehicles with full tracking systems on board. Aerospace, defence and automotive are our biggest clients supplying to the supply chain. Warehousing, distribution, hazardous materials and airfreight carriers are just some of the services we offer to our customers, to the highest standards.

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KWE (UK) Ltd provides fully-integrated aerospace, automotive and FMCG global logistics services using a worldwide network of 280 offices in 30 countries. Our supply chain team are able to offer diverse and innovative solutions with a full range of forward and reverse logistics at their disposal.

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Macfarlane Packaging is one of the leading UK companies in the design, manufacture and assembly of bespoke packaging for the protection of valuable and fragile products in both storage and transit. We use leading 3D design software, an extensive range of packaging materials and a variety of manufacturing and assembly processes to: deliver enhanced levels of protection, so you can ship your products with confidence, improve cost-efficiency, to help reduce your packaging and transport costs, eliminate excess packaging, to reduce waste from your shipping operations, respect the environment by using easily recyclable and sustainable materials wherever possible, make packaging easier to use by freeing up labour and storage space for more productive use.

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On Logistics Ltd have been serving the civil and defence aerospace sectors for a number of years providing a best-in-class solution that covers inbound and outbound logistics. We specialise in a number of solutions covering: on site packaging and release, warehousing, AOG support, reverse flow solutions and tracked domestic and international delivery. Our expertise adds value to the companies we serve, saving them time and money.

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Wherever you are and whatever you need, we can provide you with global expertise in aerospace and defence supply chain management services. Pattonair will help you enhance your competitive edge through more effective supply chain management, allowing you to focus on your core business activity and customer needs, whilst increasing efficiency, reducing costs and increasing profitability. Our strategy, unique in aerospace and defence, is based on operating globally while meeting the needs of individual customers with hands-on local support. We already support leading companies including Agusta, Airbus, ATK, BAE Systems, Boeing, Eaton, Finmeccanica, Meggitt, Parker Aerospace, Rolls-Royce, Thales, Turbomeca and UTC.

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The QCI group support the aerospace, automotive, rail and power generation sectors providing warehousing, inspection, product sequencing and distribution of customer supplied product. Activities undertaken include: product receipt, bulk stock holding, inventory management, product inspection/analysis, product assembly, product kitting, product picking/packing, product relabelling, consolidation, returns management, quality rework/analysis, distribution/collection. Benefits: electronic inspection system - direct notification of product on/off inspection (5 min response from notification), flexible warehouse requirement, daily/weekly/monthly analysis - BOS /KPI format, QCI owned transportation - no delay in distribution, no product inspection, sorting, or rework visible at your facility, no ppm recorded at your customer/receiving facility.

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Wincanton is the largest UK listed third party logistics operator and a European leader in the design and delivery of advanced supply chain solutions. Wincanton's Defence Business Unit supports land, sea and air civil defence platforms ranging from helicopters to jet aircraft, armoured vehicles, communication systems and fire and urban rescue vehicles. Wincanton Defence manage the physical logistics including storage, distribution and packing services with in-house design and manufacturing of packaging in line with UK, NATO and US defence standards. Wincanton Defence have a proven track record of operating both within military establishments and off-base and have relevant accreditations and experience with guidelines.

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Oxford Aviation is a stocking distributor of OEM & FAA-PMA aerospace filtration parts and associated products. We are an accredited supplier of consumables and specialise in oil, fuel, hydraulic and air filters for various civil and military aerospace applications. We represent Microfiltrex division of Porvair Filtration Group, Purolator Facet, PMA Products, British Filters, Trelleborg Sealing Solutions. We can also supply parts manufactured by PTI Technologies, Pall, Donaldson, Pentair and many more.

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If you're are looking to develop business and market-focused strategies for growth, talk to us. Achieving the Difference LLP is a UK-based business advisor specialising in helping clients become successful, market-focused businesses: better business strategy, marketing strategy, effective marketing operations, bespoke market research.

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Management Consultancy supporting ambitious and forward thinking businesses to achieve visionary growth. Through improving efficiency and creating innovative strategy, we will ensure your business has the tools to execute a dynamic vision for the future. We are experienced professionals drawn from the aerospace and defence industries having all served in senior positions in companies synonymous with high performance and quality. We do not just talk. Our team are practical, hands-on senior leaders and practitioners, and will be prepared to support you by doing as well as advising.

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We excel at enabling companies deliver technology innovation that is open, collaborative and effective. Specialising in advanced engineering and high value manufacturing, we work closely with industry, academia and government agencies. We build consortia, support partners in developing proposals and achieving funding, coordinate all aspects of research projects and programmes, support partners in disseminating and exploiting their research outcomes, enable partners to work in new ways and share knowledge with new businesses, forging beneficial relationships that would not otherwise exist, and build knowledge that makes a difference to UK industry as a whole.

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CANDA have developed the web based supply chain portal XACTIO, which provides supplier data on the web either with manual uploads or scheduled uploads by using the link module - automatically sending data from the client's own MRP system directly to the portal. The system provides accurate data on supplier performance, quality, cost, and responsiveness with all data being displayed using easy-to-view graphs and tables against the SC21 performance matrix. Suppliers can download orders and RFQs, complete NCRs, view their performance and communicate with ease with their customers.

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Consult Avila is a well-established business consultancy with a solid reputation for delivering real solutions, real results at pace. Its team of management professionals has a track record of achievement in the aerospace and defence sectors, providing support to clients through the entire process of change. Consult Avila provides the following services: business transformation; working capital optimisation; performance improvement; leadership development.

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Dot Net IT Ltd is an established IT business solutions provider specialising in IT infrastructure and Epicor ERP. Our team brings a wealth of experience in Epicor consultancy, customisation, development, technical support and education, enabling us to deliver & deploy fast, cost effective implementations to our world-wide customer base. Dot Net IT are a Epicor Alliance partner & were awarded Epicor Platinum business partner status in 2013.

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Encsite helps aerospace businesses to grow and thrive. Utilising the expertise of world-class partners we deliver practical business improvement programmes across our 4 key areas of technology, supply chain management, diversification and workforce development. We can also leverage funding to support investments in new technology. We are passionate about supporting UK manufacturing and work alongside OEMs to support supplier development and share intelligence about market challenges and opportunities, either through briefing events or expert workshops. We can also proactively identify and develop new suppliers to ensure that business critical components are easily sourced to meet production needs and enhance supply chain competitiveness.

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Free the potential

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Everards Quality Consultants have a team of dedicated, experienced, highly motivated and skilled quality improvement engineers & consultants, offering FAIR compilation and over-check to high-level specifications (as per AS9102, Rolls-Royce, GKN, Airbus and other major aerospace company requirements), as well as Nadcap special process requirements and pre- Nadcap audits, along with a varied range of continuous improvements and implementations.

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FactoryMaster provides a Material Resource Planning (MRP) software based solution for manufacturing companies to improve their productivity and increase profitability. Our system is the perfect platform to re-address and optimise the supply chain process. You can gain complete control over your inventory, enabling you to meet the ever growing needs of your customers. We have been providing our 'cost effective' specialist MRP manufacturing system for over 15 years. Our system has successfully been implemented into small sub-contract batch manufacturers to major aerospace, oil & gas, medical, plastics, and automotive parts manufacturers.

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A local IT company that provides IT solutions for many advanced engineering companies in the West Midlands and beyond. GCC Innova has been in business for over 20 years and specialises in support and management of IT network infrastructure, along with cloud based IT solutions such as email, document management and customer relationship management (CRM) - GCC innova has also been a Sage Business Partner for over 20 years. Cut through the technology hype and discover how IT should work seamlessly every day and discover how cloud computing and GCC online services can reduce running costs and improve competitive advantage.

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Global Partner Solutions focuses on helping aerospace customers and suppliers overcome the challenges of ramp-up and meet their delivery, cost and quality obligations. The global aerospace market demands long-term customer/supplier relationships. As supply chain specialists we generate sustainable environments for communication, growth and improvement. A global organisation with offices around the world, we provide high quality, experienced aerospace personnel who are local to our clients; saving them time and money.

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IngPro Ltd is a specialist consultancy supporting manufacturing companies in delivering improved profitability and cash flow by; developing powerful business strategies, creating step changes in productivity and sales growth. IngPro Ltd has long experience in Central Europe and can support companies to grow business in the region, through establishing a manufacturing presence, building sales and distribution networks or making acquisitions.

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IPI Solutions Ltd is a software company that develops integrated process improvement applications for the aerospace and other related sectors. We solve manufacturing business process issues and improve your performance: FAI (AS9102), PPAP, UPPAP, DVI, NPI, APQP, Process Flow, FMEA, PFMEA, DFEMA; control plan, inspection planning, in-process data collection; CMM data import, BOM data import; supply chain issues including report submission/approval and process visibility. Our applications are designed to mistake-proof business processes and remove waste. We have developed 20+ applications including FAI, PPAP, FMEA, Control Plan, CMM and BOM data import. IPI's solutions are deployed to 2,000+ users including BAe, EADS, GKN, Goodrich, HS, Rockwell, Moog, Woodward, Sikorsky, AugustaWestland, Martin Baker.

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Mycon Marketing Services Ltd provides a high quality professional approach to strategic marketing issues facing companies in aerospace, defence, offshore, power generation, marine and other high-tech industries. Mycon is a worldwide provider of performance improving market services: environmental scanning, scenario generation, forecasting, industry and market appraisals, qualitative and quantitative surveys, customer satisfaction and attitude tracking, supplier satisfaction and attitude tracking, competitor monitoring, benchmarking, business appraisals, new product/ service development.

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Oakwell Management Services Limited are a multi-role consultancy, working with clients large, medium and small, across all business sectors. Disciplines include engineering design, production/ operations management, quality control, supply chain management, procurement, sales, marketing, and sustainability. Our focus is on manufacturing industries including aerospace. Other business areas supported include all public sector activity, local, regional, national government, education, and service industries. All work is carried out to fully accredited standards, and utilising specialist tools developed in house. One of our specialist areas is procurement: see www.sites.google.com/site/managementpend. Oakwell is an approved ISO 9000 accredited assessing body. We guide clients through the ISO process of approval and beyond.

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Sanderson is a UK author of comprehensive, completely integrated manufacturing (ERP) software for engineering companies, many of whom are within the aerospace sector. We develop, implement and support our manufacturing system ourselves from our offices around the UK. We have a 30 year history and accumulated experience of providing complete end to end business systems for engineers and pride ourselves on developing long term relationships with our customers, many of whom have been with us for 20 or more years. Sanderson is a public quoted company and provides long term security for our customers.

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VR is an aviation and airworthiness consultancy and training organisation staffed by former UK CAA airworthiness surveyors with many years of experience in aviation regulation ranging from oversight of approved organisations in the UK and worldwide to international rulemaking and joint authority committees. We have provided practical and classroom training to industry and regulatory authorities. We work with clients to guide them through the process of regulation compliance to achieving full and cost effective compliance. We cover: new approvals and existing approvals, regulatory approvals healthchecks, expert advice, independent quality audit support, airworthiness standards, aircraft airworthiness records surveys, aircraft CAW compliance software.

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Vector provides OEMs and suppliers of automotive and related industries a professional and open development platform of tools, software components and services for creating embedded systems.

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Encore Personnel offer recruitment solutions across the engineering, industrial and driving sectors for both temporary and permanent placements. Encore Technical have a speciality aerospace division supporting the Midlands. Encore are currently working with leading companies in the UK within light, medium and heavy engineering process industries and engineering services. Encore built their success upon supplying skilled and experienced staff where others have failed. Encore provide total engineering coverage from shop floor engineering, to senior management, offering a consultative service to many of the UK's high profile companies, improving efficiencies and offering cost savings.

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ethero are a recruitment agency run by engineers for engineers. Our aerospace desk specialises in technical and engineering recruitment services across the UK within the civilian and military/defence sectors. With access to all major CV databases and internet job boards as well as operating the highly acclaimed RDB pro net recruitment database, ethero engineers can respond to all client requirements with pace and efficiency: B1 Aircraft Engineers (Certifying and Non-Certifying); B2 Aircraft Engineers (Certifying and Non-Certifying); Rotary and Fixed Wing Airframe/Avionics/Electrical/Propulsion Technicians; Aircraft Documentation Controllers; Continuing Airworthiness Management.

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Euro-Projects Recruitment is a leading full service technical and executive recruitment consultancy specialising in aerospace engineering recruitment for director, manager, engineer, and skilled craftsman positions covering all technical and commercial functions. We partner with some of the industry's leading organisations from high-technology SMEs to international aerospace, R&D and manufacturing companies, including air frame and structures, propulsion, avionics and lightweight materials specialists. With over 125 years combined specialist aerospace recruitment experience, in addition to industry awards for customer care and our knowledge & understanding; our clients recruit with confidence for all their permanent, contract and interim vacancies.

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A specialist technical recruitment consultancy within the aerospace, defence and aviation sectors covering the following disciplines: design; manufacturing, maintenance, quality, purchasing, supply chain, product engineering, sales and marketing and human resources. Particular strengths include lean/six sigma and operations management. Additional services include Integrated HR which offers a full assessment centre design capability including the provision of psychometric testing.

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At Kelly Engineering Resources we work in partnership with our clients to identify the best candidates from our talent pool for their contract, temporary and permanent recruitment needs. Our experience spans every vital aerospace discipline, whether structural, landing gear, primary and secondary flight controls, aerodynamics, propulsion or power systems. Working with companies on a global scale through our network of international offices, our team of aerospace experts has built relationships with key organisations that service both the military and civilian sectors.

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Within aerospace, Linea Resourcing provides recruitment and staffing services across engineering and manufacturing skills sets. Skills provided range from design, analysis, automation and manufacturing engineering through to production, quality and logistics implementation.

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Network Recruitment Partnership is a specialist engineering recruitment consultancy with 25 years experience recruiting permanent and contract/ interim professional, technical staff and management. Disciplines include: engineering & manufacturing - design & CAD engineers, development, CAE, lean manufacturing, production, quality, operations, systems, electronics, software, maintenance & reliability; purchasing & supply chain - purchasing, material control, planning, supply chain, logistics & distribution. Network Recruitment Partnership works with sectors including automotive, aerospace, defence, manufacturing and energy industries nationwide and abroad. Adept with identification and transfer of scarce skills across sectors.

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RBS have a team of managers covering the aerospace and defence sectors and are particularly proud to support UK manufacturing. Our activity in the sector includes the provision of banking services, bonds, guarantees, letters of credit, loans, invoice finance, asset finance, cash management, FX risk management and introduction to equity funding / structured finance. In addition we support firms in the the sector through hosting and attending leadership / networking events and by actively participating with policy influencers such as the MAA, EEF, AGP and ADS.

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The University of Birmingham has been collaborating with the aerospace industry for several decades. With world class facilities for materials research in our School of Metallurgy and Materials, we have developed key expertise relevant to the aerospace industry in titanium based alloys, net shape manufacture, composites and casting technology. Further expertise includes energy saving and waste reduction in manufacturing processes and laser fabrication. The University of Birmingham is a founding partner of the Manufacturing Technology Centre and has announced a partnership with Rolls-Royce to build a £60m High Temperature Research Centre - a unique casting, design, simulation and advanced manufacturing research facility.

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The School of Technology at the University of Derby offers education to the aerospace industry in mechanical and manufacturing engineering, electronics and electrical engineering and business improvement techniques at foundation degree and honours degree level. We also offer consultancy, learning through work and short course provision in the same areas.

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Coventry City Council's Business, Investment and Enterprise Team is leading the drive to support the City's growth plans by encouraging and supporting business investment. Our sector development strategy is designed to give Coventry-based businesses a competitive advantage which they can exploit. We actively encourage and support collaborative working within our aerospace sector businesses.

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As the local authority for the City of Derby we are committed to supporting our companies and helping to achieve economic growth. We work with a huge range of local partners to build on Derby's historic success, particularly in manufacturing, and are proud to be home to global brands such as Rolls-Royce and Bombardier. In 2012 we officially secured £40m worth of Regional Growth Funding. £20m of this is being used to promote the expansion of business in and around Derby. For more information about funding support available see www.derby.gov.uk/degf

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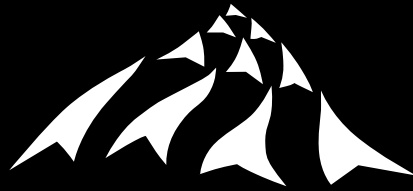
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Wolverhampton is home to many precision engineering firms which supply essential components to the motor and aerospace industries. These companies proudly share their technological innovation and best practice, set high standards in training and development, and have a strong skills base. The Lightning II Joint Strike Fighter - the latest vertical take-off and landing superjet - would not be able to leave the ground without essential engine rotation and actuation components manufactured in Wolverhampton. Many other aircraft - civilian and military - rely on precision engineered components from the city.

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The Midlands Aerospace (MAA) is the voice of companies in the British Midlands supplying global aerospace.
It was established in 2003 to improve wealth creation and employment for companies and people involved in the aerospace industry across the Midlands.



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