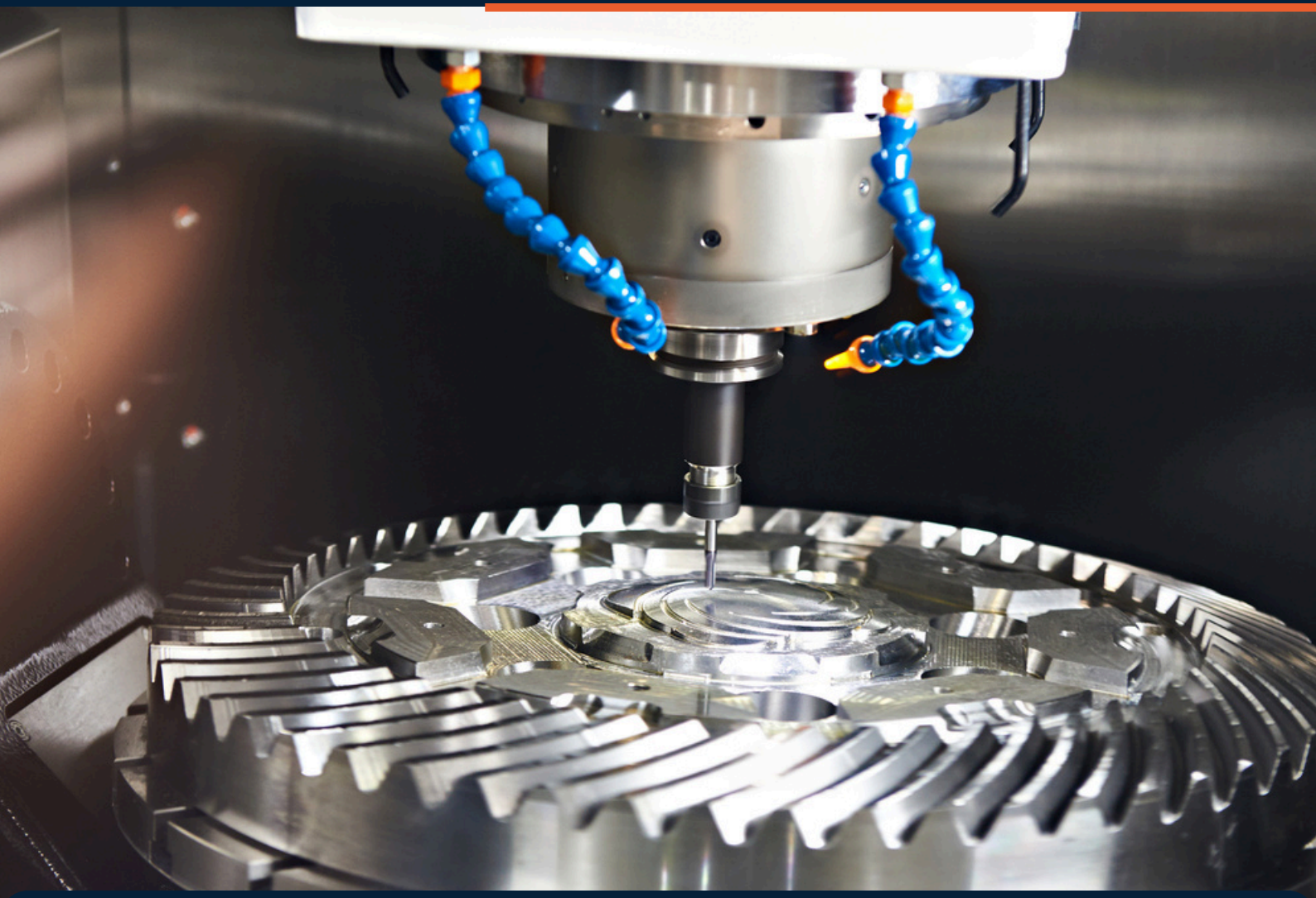
BIE MAGNUM
A CORVERO COMPANY
Est 1973

PRECISION AND EXPERIENCE

Precision Masking • Shot Blasting • Powder, Paint & Stripping
3 & 5 axis CNC Machining • Laser & CNC Engraving • Infilling
CMM Geometry Measuring • Silk & Anodic Screen Printing
Iridite NCP • SurTec 650 • Anodising

AS9100D certified



Our customers rate us as **"Excellent"**

Source: Annual Customer Survey

A Service you can **TRUST**

Quality Engineering · Supply Complete · Since 1973

BIE MAGNUM
A CORVERO COMPANY
Est 1973

Supplying complete, precision-engineered components for aerospace, defence, communications and industry

from machining and treatments to coating, engraving, printing and final inspection.

We turn your design into reality.



Clients & Approvals

LEONARDO
BELL
ROLLS ROYCE
HELANDER PRECISION ENGINEERING
SIEMENS
KLIKLOK INTERNATIONAL
GKN AEROSPACE
SEA
SCOTT AEROSPACE
Ipeco
mildef
sitec a Belcan company
IHI Horstman
PART OF BOSCH Invented for life
Spectrum Medical
STIRLING DYNAMICS an expleo company
ULTRA
SKF

"Excellent quality and customer service, the team are always helpful and approachable. Excellent standard of workmanship."

"Ongoing consistently excellent standard of service and workmanship, friendly, reliable and helpful team."

"Continuing to give excellent customer service, giving us what we need when we need it."

"Absolutely no complaints, excellent standard, always willing to meet a deadline. A very friendly and approachable team who are willing to work with us to achieve our goals."

Scott Aerospace Ltd
Source: Customer Survey

On Time Finishing Solutions

- Every aspect of our process is underpinned by our **AS 9100D** quality management system, ensuring a tailor- made, cost-effective solution, on time and in full.
- Our highly skilled workforce has an average of 12 years' experience per member of staff to draw on.
- Using the latest technologies, we ensure precision in everything we do.
- An extensive range of materials, processes and finishes enables us to provide a bespoke solution to suit your requirements.



Our Values

Reliability and **Trust** to deliver on time in full.

Working in Partnership to offer exceptional service and quality.

Communicating, listening, questioning and keeping you informed.

Continuously Improving our processes and procedures.

Caring for the Environment and working towards a sustainable future.

Investing in a Brighter Future supporting the Mutende Orphanage & School in Zambia.



Whatever your requirements, We can find the solutions.

We can provide a one stop solution, Supply Complete with exceptional lead times.

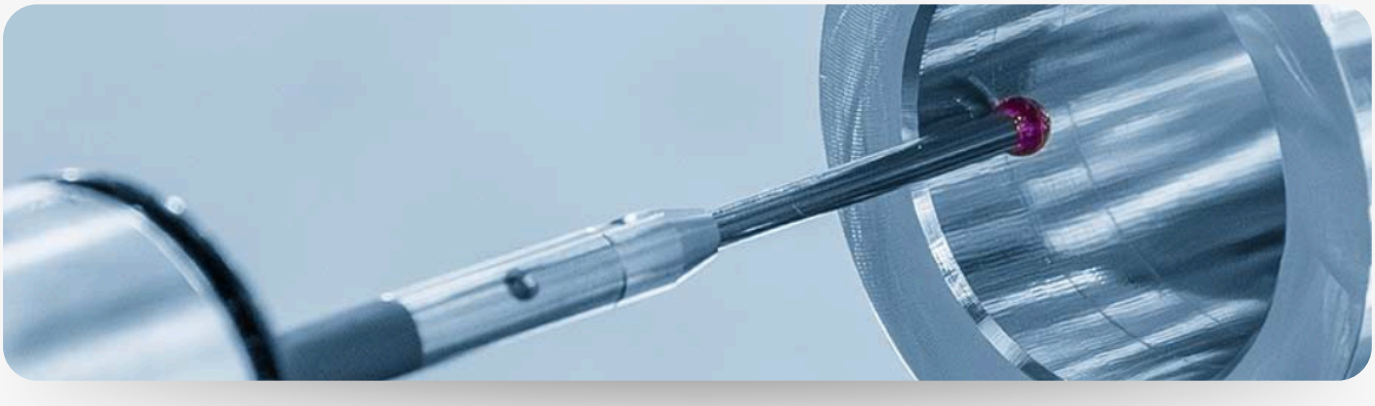
Having been in the industry for over 50 years, we have established a Supply Complete Solution.

Providing a high-quality finish with competitive lead times.



Industries We Serve

- Aerospace
- Defence
- Rail
- Nuclear
- Oil & Gas
- Subsea
- Medical
- Automotive



> "We have been using BIE Magnum for over 10 years, and we have always found them to be customer focused, quality is excellent, delivery is always on time and nothing is too much trouble. What more could you ask for from a first class Sub Contract company."
>
> **Vineham Engineering**
> *Source: Customer Survey*

Our Services

Complete manufacturing or precision finishing of your supplied components.

BIE MAGNUM
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3&5 Axis CNC Machining

Using advanced 3 and 5-axis CNC machining and CAD/CAM technology, precision panels, enclosures, labels and complex components are manufactured to exact specifications. From prototypes to production volumes, machining processes that deliver accuracy, consistency and repeatability.

Anodic & Screen Printing

Traditional screen printing and the latest advances in technology – sub-surface anodic printing and epoxy printing. We can achieve a high-quality print onto a variety of substrates for a robust finish.

Delivering a wide range of products from self- adhesive vinyl labels to Rolls-Royce panels.

CMM Geometry Measuring

CMM inspection provides accurate dimensional verification of complex components and assemblies. Skilled operators and robust inspection procedures deliver reliable measurement data, full traceability and confidence that parts meet your specifications.

Precision Masking

Precision masking protects critical surfaces during painting, powder coating, anodising and other finishing processes. Specialist materials and proven techniques ensure coatings are applied only where required, maintaining functionality, dimensional accuracy and specification compliance.

Shot Blasting

Removes coatings, corrosion and surface contaminants while creating a uniform surface finish ready for subsequent treatments.

*** Aluminium oxide - abrasive material for tougher jobs like removing coatings from metals.**

*** Glass beads - gentler for smoother finishes, often used for cleaning or etching.**

*** Garnet and Steel Grit - meet the requirements of SA 2 1/2 grade as per ISO 8501-1:2007**

Paint Stripping

Environmentally conscious paint stripping removes coatings efficiently while preserving component integrity. Powder coatings, polyurethane, acrylics, lacquers and epoxy finishes can be safely removed, preparing parts for rework or refinishing.

Coatings – Powder & Paint Systems

Powder and wet paint coatings are applied to customer specifications, delivering durable, high-quality finishes for demanding applications. Powder coatings are electrostatically applied and oven cured to provide excellent protection, appearance and long-term performance.

CO2 and Fibre Lasers

CO_2 and Fibre Laser technology provides high-quality engraving, marking and cutting across a wide range of materials. Text, graphics, serial numbers and logos can be produced directly from customer drawings, while colour infill options enhance visibility and appearance.

Proud to support RAF100 · Engraving | Anodising | Printing · The Relay Batons

Aluminium Passivation Treatments



Sulphuric Acid Anodising

Nickel Acetate & SurTec 650 Sealing

Anodising is a RoHS and environmentally compliant coating and provides the hardest wearing, scratch-resistant finish of all. It is ideal as a final finished treatment and provides an ideal finish for paint adhesion. *It is non-electronically conductive but we can machine or laser to create earthing points.

SurTec 650 and Iridite NCP

- Alternative replacement for Alocrom subject to end use
- RoHS & Environmentally compliant
- Chromium (VI) Free Passivation for aluminium components
- Contains no hexavalent compounds
- A stand-alone corrosion resistant barrier
- Pre-treatment before paint, powder coating
- Produces a clear finish
- Withstands high operating temperatures inc. engine components, electronic heat sinks
- Suitable for the electronics industry with a low contact resistance

MIL-DTL-81706 CLASS 3 & CLASS 1A
MIL-DTL-5541 TYPE 2 CLASS 3



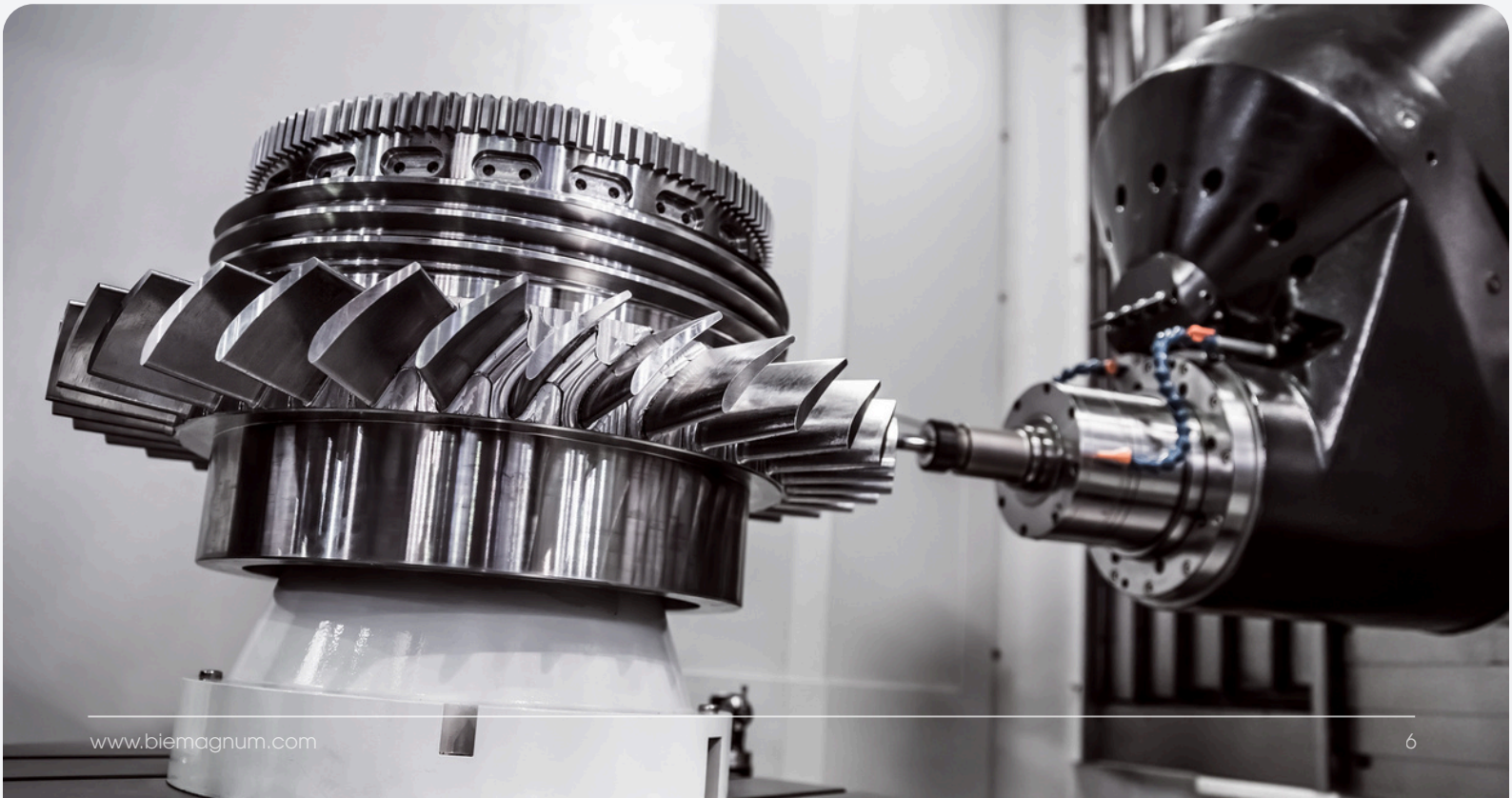
"BIE are happy to pick up new work and assist with any development and trials. Working with us to produce creative solutions."

Ultra Electronics
Source: Customer Survey

"Parts delivered on time and in many cases they were ahead of lead times to help satisfy our customer demands."

Siemens
Source: Customer Survey

	Sulphuric Acid Anodising	SurTec 650	Iridite NCP
RoHS Compliant	✓	✓	✓
Type of Treatment	Sulphuric	Hexavalent Chromium-free	Chromate-free
Corrosion Protection	✓	✓	✓
Suitable for Aluminium components	✓	✓	✓
Scratch resistant if final finish	Excellent	Good	Good
Suitable for overpainting	✓	✓	✓
Electrically conductive	✗ *unless masked	✓	✓
Heat Resistant	✓	✓	✓
Specifications	ISO 7599 MIL-PRF-8625 Type 2 MIL-STD-171 7.2.1 & 7.2.2	MIL-DTL-81706 CLASS 1A MIL-DTL-5541 TYPE 2 CLASS 1A	MIL-DTL-81706 CLASS 3 MIL–DTL–5541 TYPE 2 CLASS 3
Environmentally compliant	✓	✓	✓
Alternative to Alocrom	✗	✓	✓
Max Size (W x L x D mm)	450 x 1450 x 680	450 x 1450 x 680	450 x 1450 x 680





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Come and meet the team

Unit 2 Oak Lane, Fishponds,
Bristol, BS5 7UY
(5 mins from M32 Junction 2)

Contact

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www.biemagnum.com