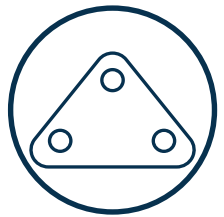


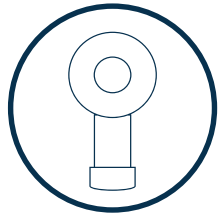
ALROSE

ENGINEERING

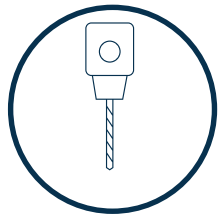
Contract Assembly



Testing and Inspection



CNC Manufacturing



Bespoke Engineering Design



Quality Engineering
Solutions and Services

Turning | Milling | Sawing | Testing | Design

40 years of Great British manufacturing.

We have been engineering custom made motion control solutions for our customers

In this time we have built up solid foundation of engineering skills based around the latest CNC machines, assembly techniques, design, load testing and CAD facilities.

For the first time we are opening up these facilities for use by outsiders.

Our core values and aims revolve around providing you with high quality engineering services and components that fit your budget.

Alrose has continued to grow and innovate, developing new products and services by reinvesting in new processes and machinery to improve and complement our existing strengths.

Our Process

Alrose Engineering Services mantra is Quality, Delivery and Value.

Identification of your needs

We collaborate with you to identify all your needs and understand requirements via means that suits you best; meetings, phone and video calls or emails.

Design

Our in house design and engineering department can assist you in the manufacturing optimisation of your project.

Manufacturing

Our attention to detail during manufacture, ensures your precision products are correct first time, whether from your choice of stainless and carbon steels, superalloys, brass, aluminium or plastics..

Delivery

We are able to deliver to you within days or 24 hours in some cases.



Over £700,000 invested in machinery in recent years Even more coming soon

Turning



Our workhorse for CNC mill-turning is the highly reliable Lynx 220LSY.

4 axis turning and machining with bar feed and live tooling all in one machine.

Maximum turning diameter:	300mm
Maximum turning length:	510mm
Bar capacity/Chuck Capacity:	52mm / 150mm
Driven tool capability:	3.7kW/6000rpm



Citizen L32 sliding head lathe - 7 axis bar fed rapid turning centre allows for incredibly flexible production of high precision complex components.

Low Frequency Vibration technology allows for exception surface finish.

Maximum turning diameter:	38mm
Maximum turning length:	>1000mm
Bar capacity:	38mm
Driven tool capability:	8000rpm



Star SD26 9 axis sliding head lathe with built in thermal displacement correction technology, high pressure (150bar) coolant and Step Wise Pro chip inducing technology means faster, more accurate parts.

Long part adapter for extra long slender parts.

Maximum turning diameter:	26mm
Maximum turning length:	2000mm
Main spindle capability:	7.5 kW/10000rpm



Various other CNC and manual lathes allow for high capacity, quick turnarounds and quality work.

Milling & Routing



Versatile and reliable 4 axis machining centre with large bed size. Great for big jobs or multiple parts per run.

Bed size:	800mm x 450mm x 510mm
Tool capability:	18.5kW/8000rpm



CNC controlled 3 axis milling machine with very long bed.

Bed size:	1270mm x 254mm 380mm
Tool capability:	3HP/4200rpm



Fast, affordable and reliable 5 axis CNC routing in plastics, composites and alloys.

Having a giant 3m x 2m bed we can accommodate your projects.

Bed size:	3000 x 2000 mm
Tool capability:	14kW/24000rpm

Sawing, Testing, Design & Assembly



Automatic Horizontal Bandsaw with bundle cutting and large cut width allows for precision cuts at low price point.

Maximum cutting diameter:	250mm
Maximum cutting length:	6000mm



Our automated servo electric test rig can perform non destructive force testing in either compression or tension. All data recorded for outputting, with HD video feed.

We also have Salt Spray testing and destructive tension testing machines.

Max part length	1300mm
Maximum testing force:	10KN
Bar capacity:	32mm
Driven tool capability:	8000rpm



Using industry standard tools we can design, simulate and manufacture your prototype or production run.

Abilities:	Design, Specification, CAD, CAM
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Our assembly lines, supported by co-bot companions can be called upon to assemble any type of product.

Our wholly owned facility in Southern Europe has a highly skilled workforce enabling low cost production runs.

Flexibility:	Infinite
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Other services & partners

Some of the other services we offer are:

Engraving
Polishing
Bending
Riveting
3D Printing (Carbon Fibre)

Services offered through our partners:

Laser / Water cutting
Painting, Powder coating, Galvanising
Physical Vapour Deposition coating, Blacking, Anodising (inc Stainless Steels)

Contact Details

Alrose Products
6 Stapledon Road
Orton Southgate
Peterborough
United Kingdom
PE2 6TB

+44 (0) 1733 570008
make@alrose.engineering

