



Defence Manufacturing

Engineering Excellence

Project Management

- Acumen Projects *Risk Transparency*
- Acumen TeamView *Visual Management*
- Capacity Planning
- ERP Scheduling
- NEC4 Contract Management

Quality Management System

- Inspection & Test Plan
- Lifetime Records
- Manufacturing Procedures
- Material Traceability
- Weld Engineering
- Weld Log Records
- NDE Reporting
- Third Party Client
Witness Hold Points
- Real-time MRP Reporting

Our Goal

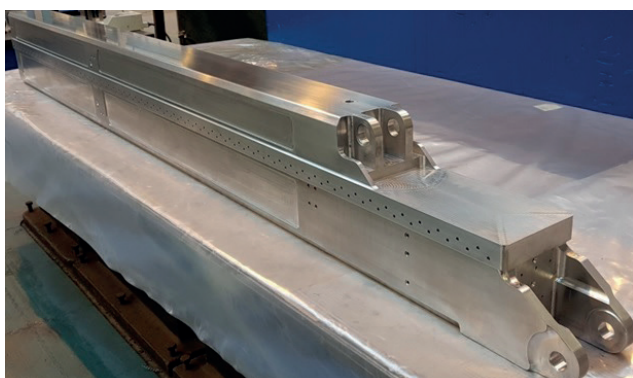
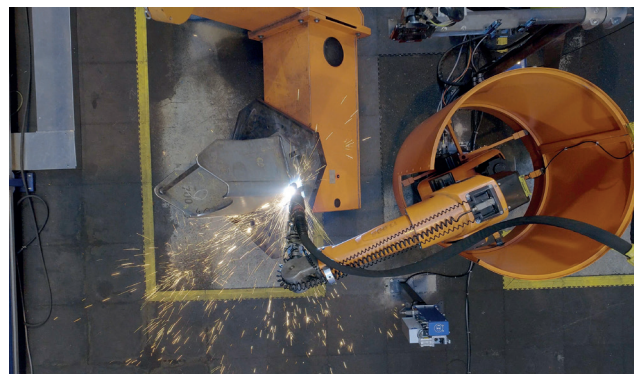
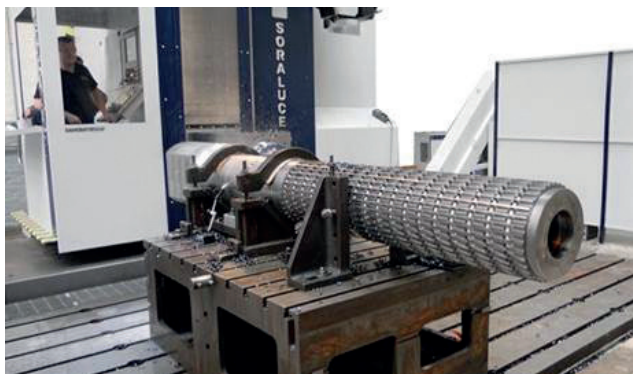
Excellence in Engineering &
Exceeding Customer Expectations

160 Years of Engineering Excellence



Over 160 years of Engineering Excellence

A capable partner in the defence sector

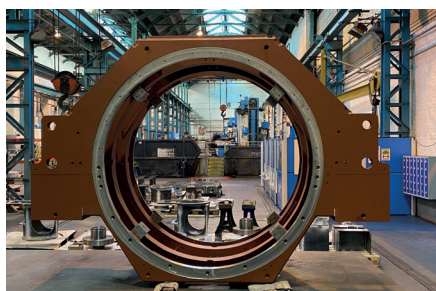


- Quality-focused with a culture of continuous improvement
- Comprehensive suite of approved manufacturing procedures
- Over 1000 approved weld procedures
- Sector-leading in lifetime records (LTR) file compilation
- Coded fabrication in accordance with BS EN 1090 EXC3, BS EN ISO 3834-2, BS EN 15085-2 CL1 and DIN 2303 Q2 and Q3 with in-house NDE/NDT to CSWIP 3.2 and PCN level 2
- Comprehensive suite of key capital plant – CNC floor boring, milling, turning and robotic welding
- Extensive lifting capacity up to 45t
- In-house testing and assembly facilities – including NDT, proof load, pressure testing and factory acceptance testing (FAT)

Oldham Engineering Ltd remains a family-run company and a preferred supplier of high integrity projects to the defence sector. With our continued investment in people, systems and manufacturing equipment across the business, we are well positioned to support the defence sector.

Our strategy is to continually understand our clients' needs whilst maintaining focus on a quality-driven culture, embedded in continuous improvement. Learning from experience (LFE) is incorporated into our business systems ensuring best practice, laying the foundations for future success, all underpinned by our **core values**:

- Safety
- Quality
- **Integrity**
- Honesty
- Teamwork



Oldham Engineering, 80,000 sqft, Shop Floor

In-house manufacturing





Military Hardware Projects

Turnkey supplier to the defence sector, incorporating project management and design for manufacture services



Assemblies machined by OEL



Machining of strategic components



We have over 20 years' experience in armour plate processing. Our engineers have been involved in projects for turret assemblies, armoured personnel carriers, gun mounts, and add-on armour, for example.

We can supply and manufacture with blast and ballistic armour ranging from 370HB to 600HB and above.

Our team can offer **design for manufacture solutions** with the aim to reduce cost and weight across a specific component or project.

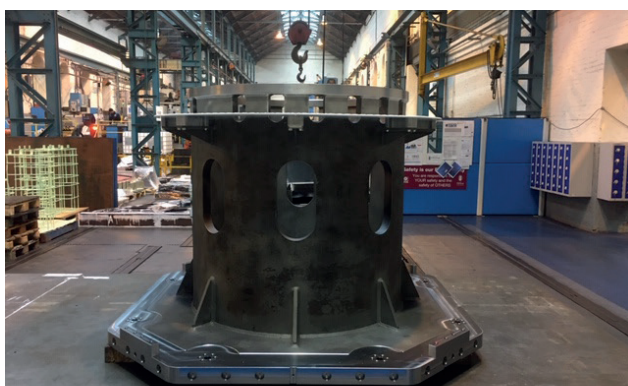
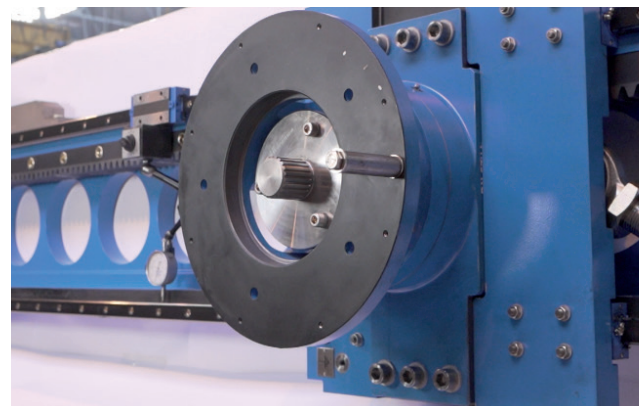
Our well-invested manufacturing facility, contains a range of machining centres from small to some of the UK's largest, complimented by extensive fabrications and welding facilities, all supported by a dedicated assembly and fitting department.

We can machine small complex components, even down to QC1 high integrity fasteners, up to large, fabricated structures such as vehicle chassis and bodies, all manufactured to tight tolerances.



Projects Manufactured in House

Structures manufactured in accordance with British & international standards, supplied complete with full life time records





High Integrity
Quality Critical
FASTENERS

Detailed Component Manufacturing

- Inspection & Test Plan
- Lifetime Records
- Material Traceability
- Third Party Client Witness



- Full material & manufacturing traceability & certification
- Supplied to client specifications
- All bespoke high integrity quality critical fasteners manufactured



Batch Manufacturing

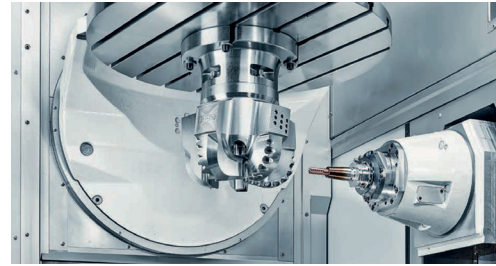
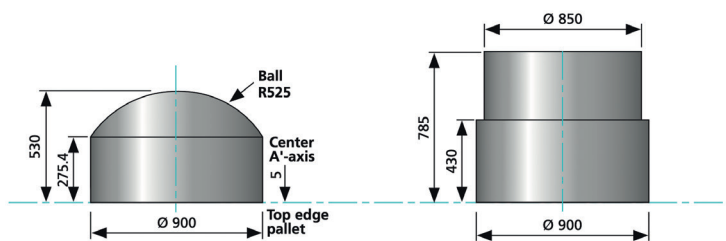


GROB
Made in Germany
MSP-25-6102

Volume batch manufacturing of turned and milled complex components



Five Axis Twin Pallet Machining Centre



Please get in touch if you have any high integrity component requirements or volume batch turned and milled components



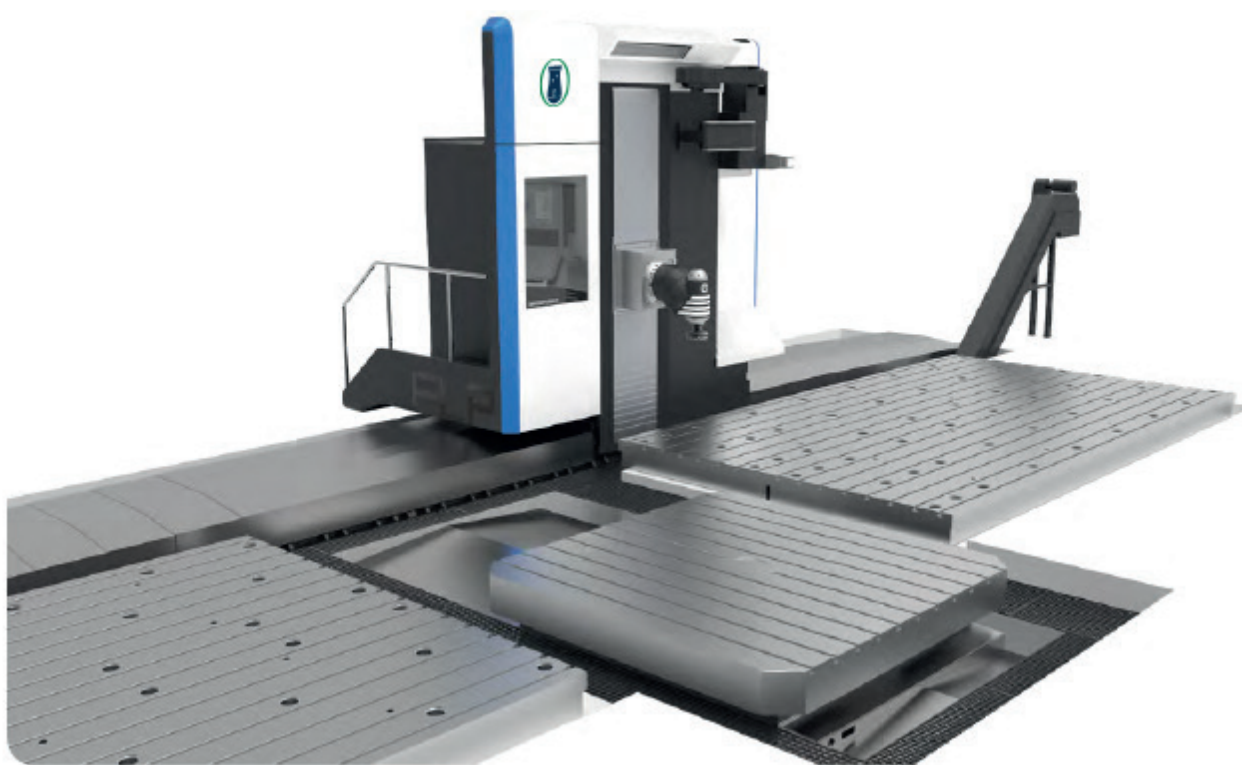
Automation



Automation Cell



Designed to handle various parts fabricated / cast / forged up to 1000kg x 1000mm cubed



Large CNC floor boring machining cell

Precision



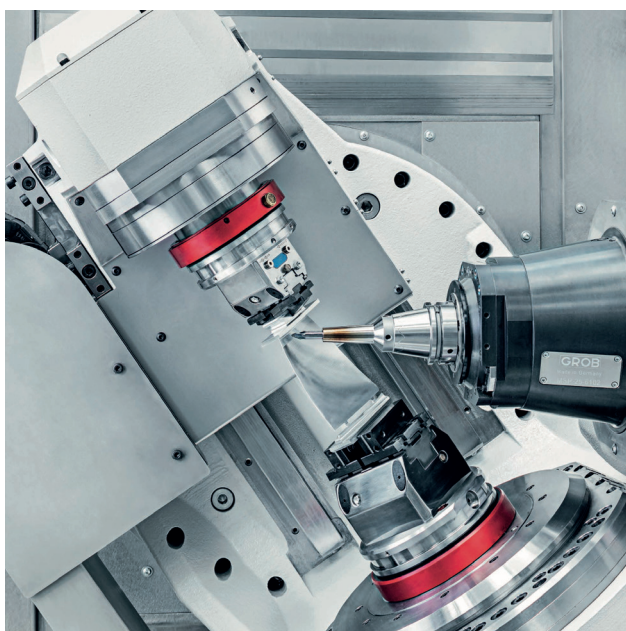
Precision CNC 5-axis machining



*ERP Schedule – barcode data
transparent machine loading*



Tool management system



Precision CNC 5-axis machining

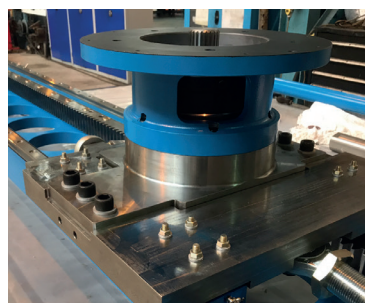
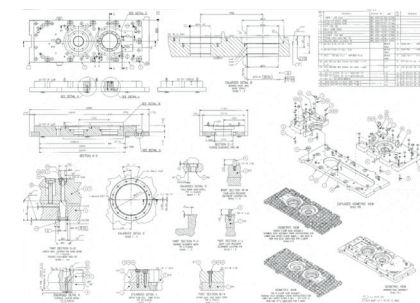
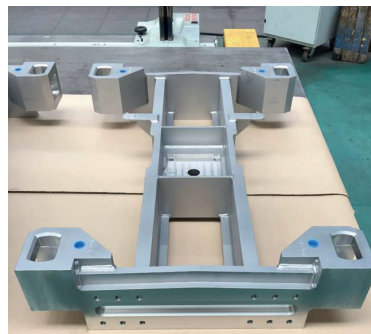


Defence Manufacturing



Turnkey assemblies supplied to client specifications.
Components manufactured from a variety of materials
and welding specifications, including:

- Stainless steel, various grades
- Carbon steel, various grades
- Quenched and tempered steels • armour plate
• S690QL • **ARMOX** PROTECTION PLATE • **STRENGTH** PERFORMANCE STEEL
- Dedicated manufacturing facility for the assembly and welding of armour plate
- Aluminium armour
- Various alloys, including titanium and duplex
- Materials processed including plate, sections, bar, forgings and castings
- Dedicated temperature controlled inspection room, CMM and FARO inspection with latest supporting software
- Weld procedures in accordance with:
 - BS EN ISO 15614
 - ASME IX
 - AWS D1.1
 - NORSOK M101
 - ASME B31.3
 - ASME III
- Robotic TIG & MAG welding cell for complex batch components
- Submerged-arc welding
- Welding inspection and NDE/NDT activities carried out in accordance with:
 - CSWIP 3.2
 - PCN Level 2
- Fabrication and welding undertaken in accordance with the following standards:
 - BS EN 1090 EXC3
 - BS EN 15085-2 CL 1
 - BS EN ISO 3834-2
 - DIN 2303 Q2 and Q3
- All supervised by Responsible Welding Coordinators qualified up to CEWE/CIWE





Our Goal

Excellence in Engineering
& Exceeding Customer
Expectations



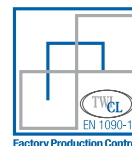
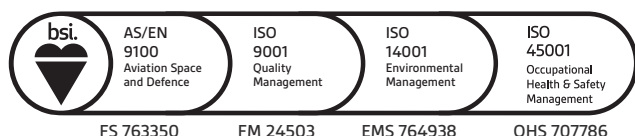
Company Values

- Safety
- Quality
- Integrity
- Honesty
- Teamwork



Nuclear Safety Manufacturing Cell - dedicated to stainless steel

Certifications & Accreditations



INVESTORS IN PEOPLE™
We invest in people Standard



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