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Company Background

- Est. 1984
- ISO9001 QMS
- Value Engineering Feedback
- Lean Manufacturing
- Medium to High Volume Specialists
- Turning from 3mm to 400mm dia
- Milling up to 600mm x 1000mm bed
- CMM
- Robotic Automation





Investment

Past 5 years

- 2018 – new factory extension
 - 2019 – new Puma2100S, PumaGT2100 w/robot, new Puma 3100M
 - 2020 – RoboJob robot loader for milling
 - 2021 – new contract milling cell for railway, new Puma 3100M
 - 2022 – 3 x new Star SR32JIII
 - 2023 – SolidCAM license and simulation for all machines
-

Capacity

2 shift manned cover 6:30am to 11pm

- Turning
2100 hours per 4 week month
- Milling
1500 hours per 4 week month + contract
robotic cell
- Sliding Head
1800 hours per 4 week month

On average we process over 100 tonnes of steel
and 80,000 parts per month through the whole
factory



Robot Cell

Automated cell for machining fishplates for the rail industry

- 3D visual recognition & handling of raw material
- laser measurement of raw material for straightness checking
- Custom magnetic work holding
- Renishaw machine probe
- 25t/week capacity



Turning

	Chuck	Through Chuck	Y Axis	Tailstock	Sub-Spindle	Milling	1.5m Bar Feeder	Other
Puma 3100M	12"	102mm		•		•		Hoist
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Puma GT2600	10"	81mm		•				15kg Robot Loader
Puma 2100SY	8"	65mm	•		•	•		
Puma 2100S	8"	65mm			•		•	
Puma GT2100	8"	61mm		•				
Lynx 210	8"	50mm		•				

CNC
Turning
Capacity

Milling

	Spindle Power	X Axis	Y Axis	3 Axis	Through Coolant	4/5th Axis	Other
Hurco VMX42i	18kW	1,067mm	610mm	●	●		
Hurco VMX42i	18kW	1,067mm	610mm	●	●		
Hurco VMX24i	9kW	610mm	508mm	●	●	●	Robot Loader
Brother TC-S2A	6kW	480mm	360mm	●			MicroLoc Clamping
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Contract Milling Cell							
Doosan Mynx	15kW	1,020mm	550mm	●	●		90kg Robot Loader

CNC Milling Capacity

Sliding Head

	Max Bar Dia	Bar Length	Axis	Z Axis Milling	Sub-Spindle	Driven Tools	Bar Feeder	Other
Tornos Deco26	32mm	3m	10	•	•	•	•	Swarf Conveyor
Tornos Deco20	25mm	3m	10		•	•	•	
Star SR32 JIIIB	32mm	3m	8	•	•	•	•	Swarf Conveyor
Star SR32 JIIIB	32mm	3m	8	•	•	•	•	Swarf Conveyor
Star SR32 JIIIB	32mm	3m	8	•	•	•	•	Swarf Conveyor
Star SB20	20mm	3m	7		•	•	•	Swarf Conveyor

CNC Sliding Head Capacity

Market Sectors



Yellow Goods



Oil & Gas



Aker Solutions



Military



GENERAL DYNAMICS



Rail



HIRD Rail Development



LB Foster

ALSTOM

Petrochemical



Scheduled parts example

- Bombardier Derby – pneumatic & hydraulic manifolds for new build trains since 2015. Parts 50 – 400 qty/month, in Aluminium, 304 and Steel



Oil & Gas

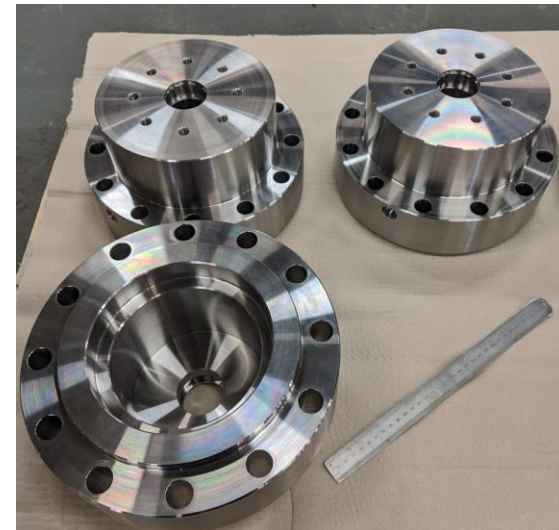
Inconel & Beryllium
Copper Stems



Oil & Gas

Large mill turn part experience

- Variety of materials; F6NM, 17-4PH, Inconel, 8140, Beryllium Copper
- Bonnets, Actuator Extension Housings, Outer Couplers, Drift Adjustment Nuts, Alignment Keys
- Experienced with material procurement, port details, QA & surface finish requirements

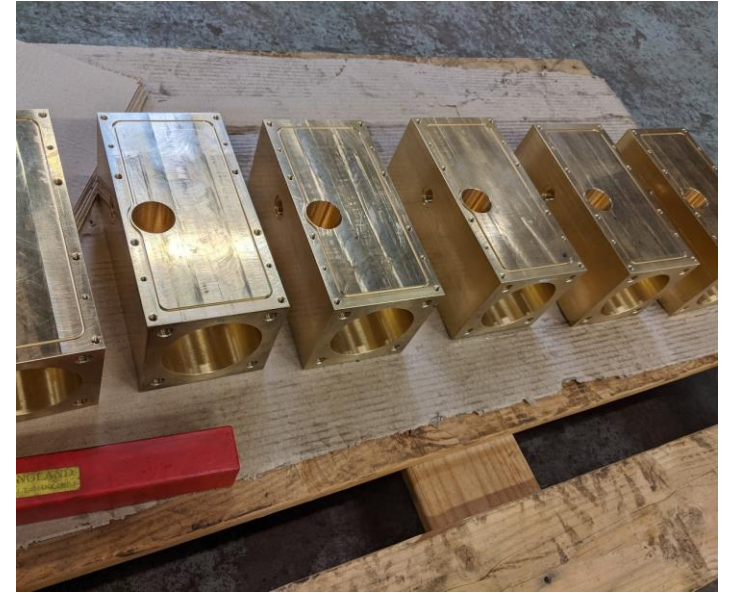
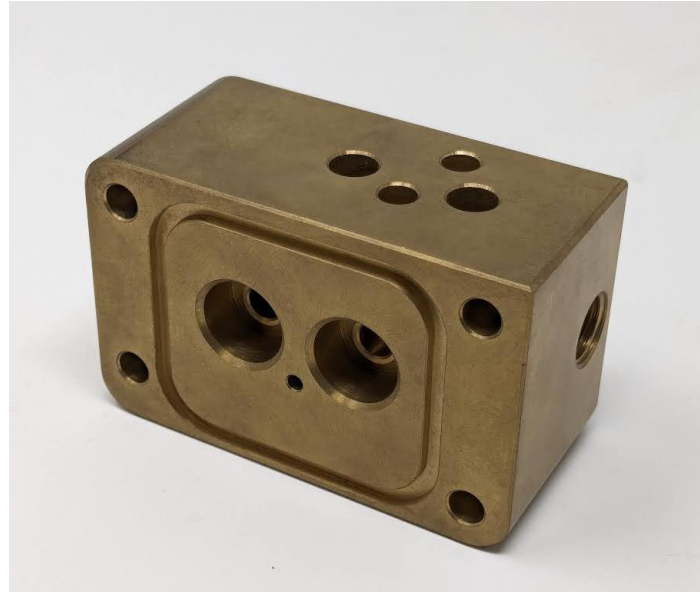


Tees & Elbows

Weld Tee's & Elbow's

- Manufactured in 50-300 off batches from solid
- Material sourcing available in 316, Super Duplex & Inconel





Fluid Control

Large and small manifolds, valves, gas fittings

Carbon & Stainless Steel flanges

Flanges



Sliding Head



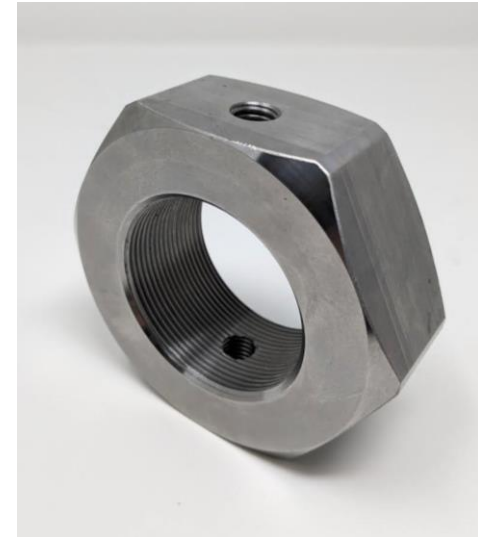


Sliding Head

32mm Bar Capacity
High volume mill-turn lathes



Earth Moving





Earth Moving

Pins, Bushes, Rollers, Spigots, Shafts, Bearing Housings

Management of

- material procurement
- scheduling
- heat treatments
- surface treatments
- bearings & assembly

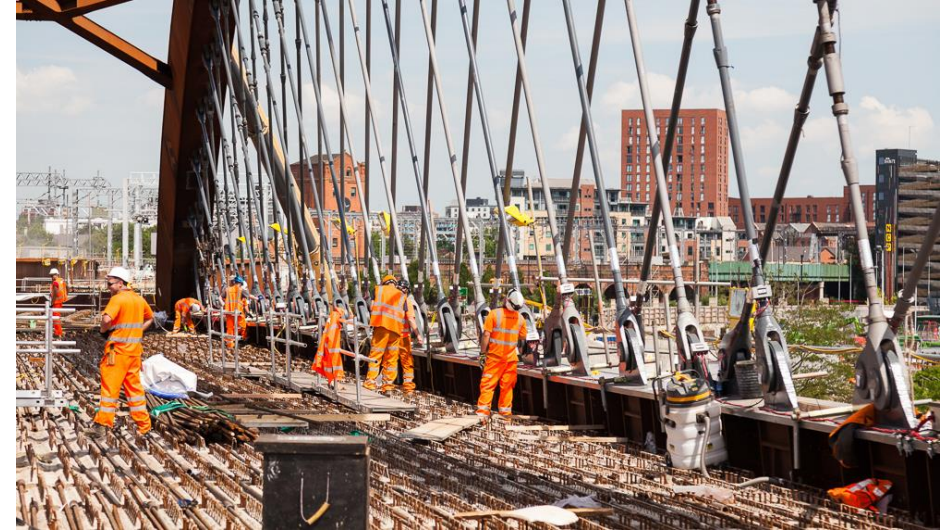


Milling & Assemblies

Thread Rolling

DAVERSTEELS
structural bar & cable systems

- 1090 CE marked EXC4
- Cranage & 12m saw line
- 30t and 50t thread rolling capacity up to M120 threads
- Grade 10.9 high strength threaded bar



Customer Satisfaction

- Always quality products received from Beta Engineering on time
- Always a quick turnaround on orders. Always deliver on time
- Excellent all round service
- We're very satisfied with the product and service you offer, hence the 100% scores.

