

LASER CUTTING

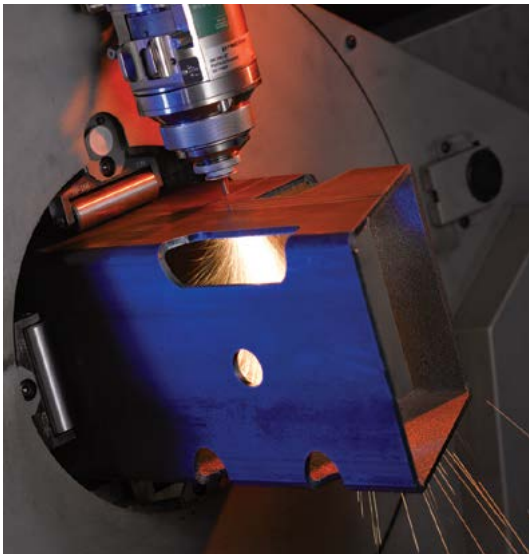


Flat Bed Laser Cutting

Qty	Machine	Kw	Dimensions	Thicknesses
1	Flat Bed Laser with bevel facility up to 45 degrees	5	up to 20m x 3.2m	25mm Mild steel 25mm Stainless steel 20mm Aluminium
15	Flat Bed Lasers	7	up to 6.5m x 2.5m	25mm Mild steel 30mm Stainless steel 20mm Aluminium 6mm Copper 6mm Brass



TUBE CUTTING



Tube Laser Cutting

Qty	Machine	Dimensions	Thicknesses
2	<p>Tube Lasers Tubes: round, square, rectangle, flat sided oval</p> <p>Open profiles: angle, flat, channel (not H or I)</p> <p>Special profiles: feasible but subject to verification</p>	<p>Tube: up to Ø 220mm Box: up to Ø 200 x 200mm RSA: up to 200 x 200mm Max. weight: 225kg Max weight per single tube: 35kgs/m Max. component length: 6m Max. bundle loading weight: 5000kgs</p> <p>Fully automatic bar handling from bundle including: measuring, feeding, cutting & unloading</p>	<p>Mild steel: 12mm Stainless: 6mm Aluminium: 3mm Mild steel with nitrogen: 6mm</p>
	Rotolas Capability	<p>Tube: up to Ø 370mm Box: up to Ø260 x 260mm</p> <p>Max weight per single tube: 50kgs/m</p> <p>Max. length in: 8.5m Max. length out: 3m</p>	<p>12.5mm Mild steel 8mm Stainless steel 5mm Aluminium</p>

Robotic Plasma Tube Cutting

1	Robotic Plasma Tube Machine	8.0m x maximum diameter 1000mm	40mm wall thickness
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PLASMA & FLAME PROFILE CUTTING

Qty	Machine	Kw	Dimensions	Thicknesses
2	High Definition Plasma Laser	3	Twin head cutting Large format cutting area 25m x 5m Bevel cutting facility to 40 degrees	40mm
1	CNC Profiling System		up to 10m x 4m	120mm



DYNAMIC WATERJET CUTTING

Waterjet Cutting			
Qty	Machine	Dimensions	Thicknesses
4	Waterjet Cutting Machines	Max 12m x 3m	200mm thickness for any material



BENDING, FOLDING & PRESSING

Robotic Press Brake	
2	URSVIKEN 640 Tonne CNC Press 7.2m wide with 600kg capacity robotic handling & angle checking device

Press Brakes	
Qty	Machine
8	Press Brakes, capacity up to 4.2m x 220 tonnes
1	Digibend 360 multi purpose bender / former
2	URSVIKEN 200 Tonne CNC Press 4.0mt wide
1	URSVIKEN 64 Tonne Press 2.0mt wide
1	Euromac B#E2DO CNC DIGIBEND 720 L.2000



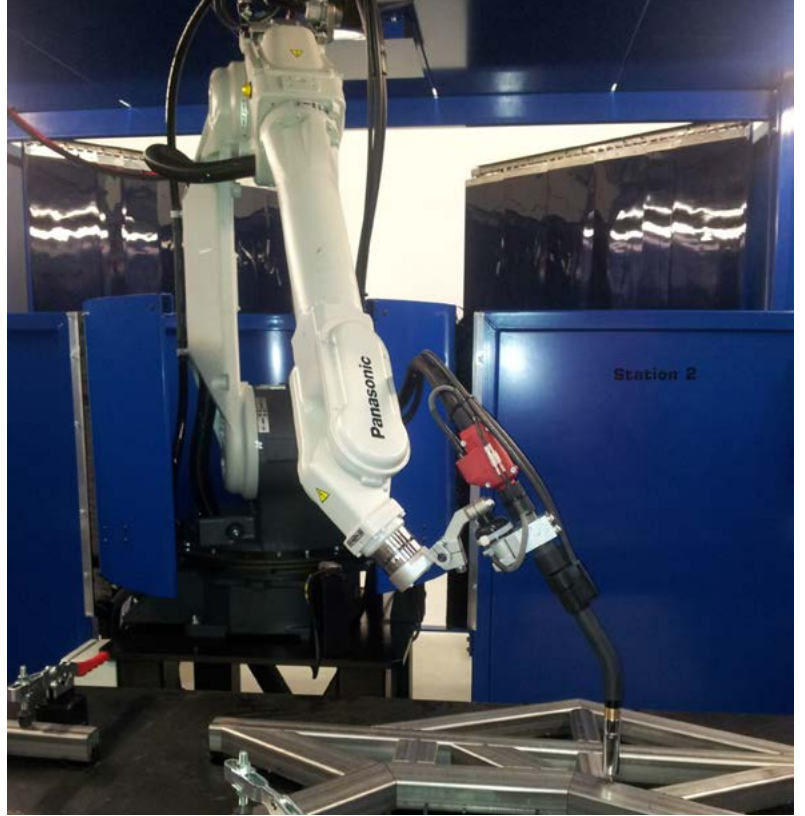
Additional Services	
CM2 Pyramid Rolls (CNC Rolling)	Sheet Metalwork
3m Rolling	Rumbler
Hagerpress Fastener Insertion Machine	Vaqua Blasting
Belt Polisher	Finishing
Guillotine	Conventional Machining

FABRICATION

Coded Welding

We have over 150 Skilled Welders on site.

- > TIG
- > MIG
- > Sub Arc



Robotic MIG & TIG Welding

Qty	Machine
1	Large Format Gantry Robot Welding Cell (structures up to 8m long)
1	Automated Hull / Turret Welding System (6 axis robotic arm with 90 degree down weld)
9	Robotic MIG & TIG welding cells

CNC MACHINING

CNC Mill/Turn

Qty	Machine	Diameter	Length
1	Mazak Integrex 200 IVS	660mm	995mm
1	Mazak Integrex 300Y CNC Mill Turn Centre	450mm	1048mm



CNC Milling (up to 11.5m length)

Qty	Machine	X	Y	Z
2	Correa Axia floor-type Milling Machine	11500mm	1500mm	2500mm + 450mm
1	Asquith Butler Power Centre 500	8000mm	1500mm	2000mm
1	MTE BF-3200 Universal Milling Machine	3000mm	1250mm	1500mm
13	Vertical Machining Centres	3000mm	1500mm	750mm
1	Horizontal Machining Centre	7000mm	7000mm	7000mm



CNC Turning (up to 3845mm length, 950mm diameter)

Qty	Machine	Diameter	Length	Bar Feed	Driven Tools
1	Hankook Fanuc CNC Turning Centre	950mm	3845mm		
1	Mazak 350MY CNC Turning Centre	480mm	1583mm	85mm	12
1	Mazak Quickturn Smart 300M	420mm	1250mm		12
1	Mazak 200MS (sub-spindle) CNC Turning Centre	380mm	750mm	65mm	12
1	Doosan 280M	280mm	658mm	76mm	12
1	Mazak Quickturn CNC Turning Centre	250mm	1000mm		
1	Mazak SQT 10 MS CNC Turning Centre	160mm	252mm		12
2	Mazak QT 15 CNC Turning Centre	300mm	528mm	Ø 2"	
1	Mazak SQT 15 CNC Turning Centre	300mm	573mm	Ø 2"	12
1	Mazak QT20-HP CNC Turning Centre	440mm	429mm		
1	Mazak 200MSY CNC Turning Centre	380mm	575mm	Ø 2.5"	12



Sliding Head Turning

Citizen M32, 4m bar feed, up to 32mm diameter, 7 axis lathe

CMM Quality Inspection

DEA Global Advantage CNC CMM (up to 1200 x 2200 x 1000mm)

2 x Faro Inspection Arms

Faro PowerGage

Etalon CMM

Micro Hite CMM

Precision Grinding

2 x Jones and Shipman Universal Grinders
14" Dia x 40" length

POWDER COATING

WEC Powder Coating boasts a 4 stage in-line pre-treatment plant, 2 automatic reciprocators with 6 powder guns and a 90% powder recovery system. We have the capability to powder coat components up to 1.5m high x 2.5m long x 800mm wide.

