

## LASER CUTTING & PUNCHING



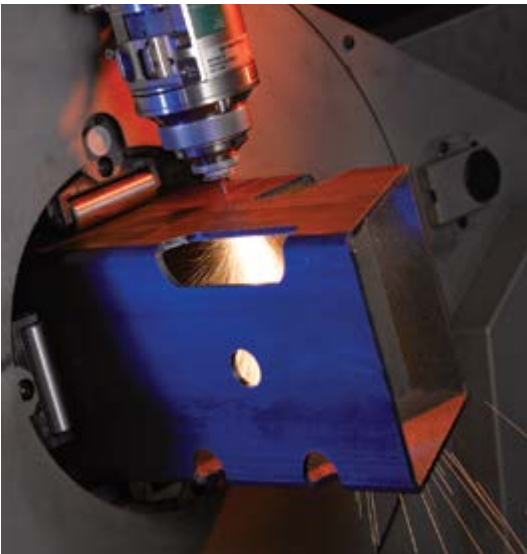
### FLAT BED LASER CUTTING

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
20	Flat bed lasers inc. 4 Fibre lasers with fully automated loading & part sorting	7	up to 6.5m x 2.5m	25mm Mild steel 30mm Stainless steel 20mm Aluminium 10mm Copper 10mm Brass

### CNC PUNCHING

Qty	Machine	Dimensions	Thicknesses
1	TRUMPF TruPunch 3000	up to 2500mm x 1250mm	6mm Stainless Steel 6mm Mild Steel 6mm Aluminium

## TUBE, BOX SECTION, ANGLE & PIPE 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 &amp; 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
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## PRESS BRAKES

Qty	Machine
16	Press Brakes, capacity up to 4.2m x 230 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

# WELDING & FABRICATION

## CODED WELDING

We have over 150 skilled welders within the Group.

- > 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)
10	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	700mm	700mm	700mm



## SLIDING HEAD TURNING

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

## 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



## CMM QUALITY INSPECTION

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

3 x Faro Inspection Arms

Faro PowerGage

Etalon CMM

Micro Hite CMM



## FINISHING

### POWDER COATING



1.5m x 2.5m x 800mm

Boasting two automatic reciprocators and a four stage in-line pre-treatment plant and a 90% powder recovery system, we can powder coat components up to 1.5m high, 2.5m long and 800mm wide.

### WET PAINTING



15m x 6m x 4m

Our wet painting service works in-line with our shot blasting facilities, meaning energy costs and lead times are reduced.

### SHOT BLASTING



15m x 6m x 4m

Our state-of-the-art air blast room facility is ideal for large scale components as we have the capability to blast material up to 15m long, 6m wide and 4m high.