

LASER CUTTING & PUNCHING



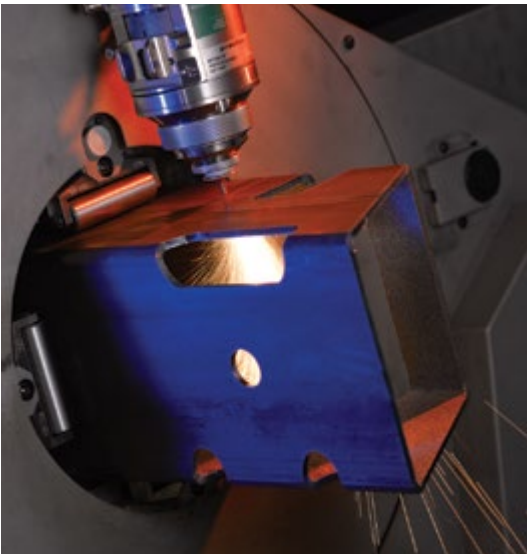
FLAT BED LASER CUTTING

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
22	Flat bed lasers inc. 5 Fibre lasers with fully automated loading & part sorting	8	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 & 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
3	Waterjet Cutting Machines	Max 7.3m x 2.4m	200mm (any material) 300mm aluminium



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

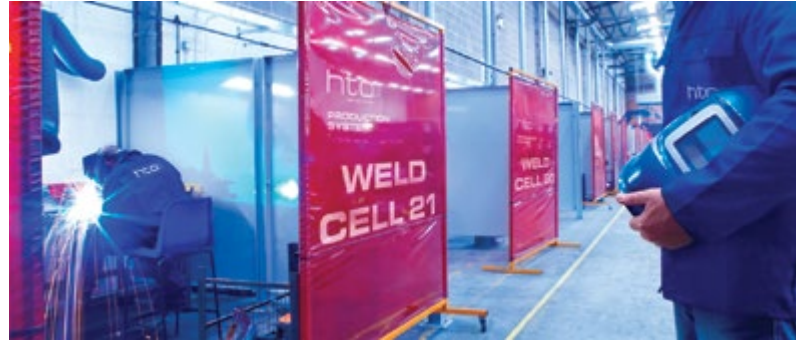
CM2 Pyramid Rolls (CNC Rolling)	Sheet Metalwork
3m Rolling	Rumblers
Hagerpress Fastener Insertion Machines	Vaqua Blasting
Belt Polishers	Finishing
Guillotines	Conventional Machining

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 300Y CNC Mill Turn Centre	350mm	900mm
1	Mazak Integrex 200 IVS	250mm	700mm



CNC MILLING (UP TO 11.5M LENGTH)

Qty	Machine	X	Y	Z
1	Correa Axia floor-type Milling Machine	11500mm	1500mm	2500mm + 450mm
1	Correa Axia floor-type Milling Machine	10000mm	1500mm	2000mm + 450mm
1	Asquith Butler Power Centre 500	8000mm	1500mm	2000mm
1	MTE BF-3200 Universal Milling Machine	3000mm	1250mm	1500mm
1	Mazak FJV 35/60 II	2240mm	880mm	650mm
1	HAAS VF-9/40	2134mm	1016mm	762mm
1	HAAS VF-6/40SS	1526mm	813mm	762mm
1	Mazak VT C 20 CNC Machining Centre	1660mm	510mm	640mm
1	HAAS VF-4SS	1270mm	508mm	635mm
2	HAAS VF-4	1270mm	508mm	635mm
1	Mazak HCN 5000 CNC Machining Centre Twin Pallet 500mm x 500mm	700mm	700mm	700mm
1	HAAS VF1	508mm	406mm	508mm



CNC TURNING (UP TO 3845MM LENGTH, 950MM DIAMETER)

Qty	Machine	Diameter	Length	Bar Feed	Driven Tools
1	Hankook Fanuc CNC Lathe	950mm	3845mm		
1	Mazak 350MY CNC Lathe	480mm	1583mm	85mm	12
1	Mazak Quickturn Smart 300M CNC Lathe	420mm	1250mm		12
1	Mazak 200MS (sub-spindle) CNC Lathe	380mm	750mm	65mm	12
1	Doosan 280M CNC Lathe	280mm	658mm	76mm	12
1	Mazak QT 15N CNC Lathe	150mm	250mm	50.8mm	
1	Mazak Nexus 100 CNC Lathe	160mm	252mm	50.8mm	YES
1	Mazak QT 200 MSY CNC Lathe	380mm	575mm	63.5mm	YES
1	Mazak SQT 15M CNC Lathe	300mm	500mm	50.8mm	YES
1	Mazak QT 20H-P CNC Lathe	440mm	429mm		
1	Mazak QT30 CNC Lathe	300mm	1000mm		
1	SQT15M CNC Lathe	300mm	500mm		



SLIDING HEAD TURNING

Qty	Machine	Dia	Bar Feed
1	Citizen Miyano ABX64 SYY42 Sliding Head Lathe	64mm	3m
1	Citizen M32 7 axis sliding head lathe	32mm	3m
1	Citizen L32 VIII Sliding Head Lathe	32mm	3m

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 3m 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, 3m 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 facilities are ideal for large scale components as we have the capability to blast material up to 15m long, 6m wide and 4m high.