

# Equipment and Capabilities

Paul Fabrications specialise in the manufacture of complex sheetmetal formed, welded and machined assemblies.

The Listing below demonstrates the breadth of our processing capabilities. Paul Fabrications equipment is under constant review and we expand and replace as the product lines matures.

<b>Laser Cutting</b>	CO2	Trumpf 5-Axis Flat Bed	3000 x 1500 x 750mm	
		Trumpf 5-Axis Flat Bed	2000 x 1500 x 750mm	
<b>Forming</b>	Presses	Safan	3000 x 100 Tonne	
		Mecos CNC Press Brake	40 tonne	
		Blanking/Piercing	1800 x 1000 x 160 Tonne	
		Forming Press with Cushions	1200 x 1000 x 350 Tonne	
<b>Machining</b>	CNC – Milling	Mazak Vari-Axis 630 5-axis	630mm cubed	
		Mazak Nexus 510 4-axis x 3	1050 x 510 x 510mm	
		HASS VF4 4-axis	1270 x 508 x 635mm	
		HASS VF3 x2	1016 x 508 x 635mm	
		Matsuura twin pallet x 2	550 x 410 x 460mm	
		Bridgeport x 3	600 x 400 400mm	
		Bridgeport	550 x 400 x 400mm	
		HASS	1000 x 500 x 600mm	
		CNC – Lathes	HAAS SL20 (with bar feed)	250dia
			Cincinnati Falcon	52dia, bar capacity x 600 Between centres (300 max Turning dia)
	Cincinnati Falcon x 2		75dia, bar capacity x 600 Between centres (300 max Turning dia)	
	Cincinnati Hawk		75dia, bar capacity x 600 Between centres (350 max Turning dia)	
	Lynx 220 x 3 (1 with bar feed)		300 Max turning dia x 305 between centres	
	Manual Machines		Bridgeport	500 x 200 200mm
		Manual Centre Lathe	1500dia x 1400 between centres or 1800dia x 450 between centres	
		Facing Lathe	1000dia	
	<b>Heat Treatment</b>	Electric Air	Ovens	100°c - 800°c
			Furnaces	800°c - 1100°c

<b>Welding</b>	TIG	Manual Auto Circumferential Seam / Roll Spot	300A AC/DC 1000mm dia 175kVA
	<b>Quality Assurance</b>	NDT	Penetrant
X Radiography			200kV, 7MA
CMM		Co-ordinate Measuring Machine	1500 x 1370 x 610mm
		Co-ordinate Measuring Machine	900 x 1500 x 850mm
<b>Part Cleaning</b>	AUTOMATED CLEANING	TechnoWash AQT1250/4	Aqueous wash machine (1250 x 600mm capacity)
<b>Toolmaking</b>		Jig Borer Centre Lathe Milling machines	