

Precision Fabrication, PRECISION WELDING, Precision Sheetmetal, PRECISION MACHINING
ASME IX CODED WELDING, Build-to-Print, 4th AXIS MILLING,
cnc programming, Frame Fabrication, LARGE FORMAT MACHINE TOOLS,
Turning, Milling, Heavy Milling, Sub-Contracting

SMP

CUSTOM MANUFACTURING SOLUTIONS



SMP provides precision fabrication ASME IX Coded welding, Sheet metalwork, CNC machining, heavy CNC milling for the Aerospace, Defence and Industrial Prototyping sectors.

Specialising in build to print projects SMP undertakes technologically complex manufacturing and provides a unique sub-contract service with all disciplines within our 12,000 sq. ft. premises.

ISO 9001:2008 accredited, with over 10 years experience in large-scale fabrication, the use of exotic materials and complex proto-typing, SMP delivers value and quality nationwide from its North Hampshire base.

Our quality standards are supported by our in-house, large format 3d coordinate measurement system (PCDMS).

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Plant List

Machining

Manufacturer	Model / Type	X axis	Y axis	Z axis	4th axis	Centres	Swing	Control	Comments		
Huron	SX CNC Bed Mill	3 m	1.2 m	1 m	yes			Heidenhain			DNC Link
Kondia	HM2010 CNC VMC	2 m	1 m		yes			Heidenhain	Portal Frame	24 Station Tool	DNC Link
Kondia	B1050 CNC VMC	1.2 m	0.5 m		yes			Heidenhain		22 Station Tool	DNC Link
Haas	CNC Mill TM1	30"	12"	16"				Haas			DNC Link
Semco	CNC Mill	0.8 m	0.48 m	0.5 m							DNC Link
Hartford	CNC VMC-1230	1.27 m	0.63 m	0.61 m				Mitsubishi		20 Station Tool	DNC Link
CMZ	CNC Lathe TB-520BM					1.3 m	0.5 m	Fanuc 21i T	Driven Tooling	Swarf Convey	DNC Link
CMZ	CNC Lathe TB-67					0.4 m	0.385 m	Fanuc 32i T	Bar Feed	Swarf Convey	DNC Link
Haas	CNC Lathe TI1					30"	16"	Haas			DNC Link
Dean Smith & Grace	25 x 60 Lathe					60"	25"			DRO	
Colchester	Student 1800 Lathe					25"	16"			DRO 2 Axis	
Colchester	Mascot 1600 Lathe					60"	17"			DRO	
Colchester	2000 Long Bed Lathe					50"	15"				
Colchester	2000 Lathe					30"	15"				
Harrison	M600 Gap Bed Lathe					80"	17"				
Huron	MU5 Universal Mill	1.3 m	0.46 m	0.55 m						DRO	
Bridgeport	Vertical Mill	30"	12"	16"						DRO	
Shizuoka	Vertical Mill	0.82 m	0.3 m	0.45 m						DRO 2 Axis	
Jones & Shipman	Surface Grinder										
Power Band Saw											
Cut Off Saw	12"										

Sheet Metal

Manufacturer	Model / Type	Length	Diameter	Pressure (tons)	Gauge	Comments				
LVD Shape	Delta 1000 CNC Punch	2.5 x 1 m			4 mm max	20 station turret		DNC Link		Offline Programming
Edwards & Pearson	CNC Press Brake	3 m		100		6 Axis		PEPS		Offline Programming
Promecam	Press Brake	1.25 m		25						
Apollo	Notching Machine	3 m			4 mm	Variable Angle		Variable angle		
Triumph	3006 Guillotine	3 m			6 mm	DRO				
Pyramid Rolls		1.2 m	100 mm			min 100 mm diameter				

Welding

4 Large capacity fully equipped welding bays with heavy lift (work piece up to 6m x3m x 3m)	Mutple welding benches for smaller intricate work
4 x MIG 420 A, pulse / force ARC / watercooled torch sets	Materials: Aluminium, Stainless Steels (ASME IX), High Nickel Alloys/Exotics, Mild Steel
3 x TIG inverter / watercooled torch / high current sets	2 x Spot Welding Machines
	Plasma cutting up to 25 mm thick