



SPECIAL MACHINED PRODUCTS LTD

COMPANY PLANT LIST

Manufacturing critical components for use in challenging applications

Specialising in the machining of high nickel based super alloys such as 718,725, Waspaloy,625, Super Duplex and Titanium, through to standard Stainless and low-grade alloys.

Vertical CNC Lathes



Doosan Puma VT900 2SP (2 Off)
Max. Turn Ø900mm
Max. Height 850mm
Max. Weight 1250Kg



Doosan Puma VTS1620M
Max. Turn Ø2000mm
Max. Height 1556mm
Max. Weight 10000Kg



Doosan V5R Vertical
Max. Turn Ø585mm
Max. Height 483mm
Max. Weight 190Kg



Hyundai-Wia LV500 RM (2 Off)
Max. Turn Ø550mm
Max. Height 600mm
Max. Weight 190Kg



Hwacheon 1150 VTS
Max. Turn Ø1150mm
Max. Height 800mm
Max. Weight 1500Kg



CNC Lathes



Doosan Puma 400LB
Max. Turn Ø635mm
Max. Length 2032mm
Max. Weight 500Kg



Hyundai-Wia L400C
Max. Turn Ø630mm
Max. Length 1170mm
Max. Weight 500Kg



Doosan Puma GT2600 (2 Off)
Max. Turn Ø460mm
Max. Length 658mm
Max. Weight 210Kg



Doosan Puma 700LM
Max. Turn Ø900mm
Max. Length 3200mm
Max. Weight 3200Kg



CNC Milling & 5 Axis



Mazak VTC800/30SR – 5 Axis
Max. 'X' Axis 3000mm
Max. 'Y' Axis 800mm
Max. 'Z' Axis 720mm
Max. Work Piece Weight 2500Kg
*4th Axis Ø450mm



Hartford Blockbuster
Max. 'X' Axis 3000mm
Max. 'Y' Axis 1600mm
Max. 'Z' Axis 850mm
Max. Work Piece Weight 5000Kg



Hartford Super CMC 1982
Max. 'X' Axis 1800mm
Max. 'Y' Axis 920mm
Max. 'Z' Axis 820mm
Max. Work Piece Weight 3000Kg
*4th Axis Ø500mm



Hartford Power Centre Pro-800
Max. 'X' Axis 800mm
Max. 'Y' Axis 510mm
Max. 'Z' Axis 630mm
Max. Work Piece Weight 500K



Inspection/Advanced Metrology

Gagemaker Mic-Trac MT-3000
Measurement Range 915mm(36")
Accuracy $\pm 0.0251\text{mm}$
*Range of Bowers BX/MRP/THD Gauges



Mitutoyo Crysta-Apex S 123010
Max. 'X' Axis 1200mm
Max. 'Y' Axis 3000mm
Max. Height 1000mm
*Scanning Probe/Temp Compensation



Faro Gage
Measurement Range 1200mm
Accuracy $\pm 0.0251\text{mm}$
Repeatability $\pm 0.0171\text{mm}$
*Software - Aberlink



Mitutoyo MiSTAR 555
Max. 'X' Axis 570mm
Max. 'Y' Axis 500mm
Max. Height 500mm
*Temp Compensation from 10 to 40 deg C

Faro Edge
Measurement Range 2700mm
Accuracy $\pm 0.041\text{mm}$
Repeatability $\pm 0.0291\text{mm}$
*Software - CAM2



Starrett Sigma HB400
Max. 'X' Axis 254mm
Max. 'Y' Axis 100mm
Max. Stage Weight 25kg
*Large $\text{\O}400\text{mm}$ Screen Size

Deep Hole Boring / Trepanning



Ryazan RT 295111 Deep Hole Borer
Bore Range 50mm – 135mm
Counter Boring Range 55mm – 260mm
Counter Rotation Head
CNC Control
Skiving Capabilities
4 Jaw Chuck (Ø500mm)
Roller Steadies 125mm – 410mm

Machine	Max. Ø of Stock	Max. Length	Bore Size Range
Craven	280mm	1700mm	60mm-230mm
VDF	290mm	2400mm	25mm-75mm
Craven (Trepanning)	508mm	1780mm	Max. Ø280mm

Vertical Boring (Manual)



Machine	Max. Ø of Stock	Max. Length	Max. Weight
72" Webster Bennett	2032mm	610mm	9000Kg
48" Webster Bennett (3 off)	1320mm	1016mm	2000Kg
42" Webster Bennett	1320mm	965mm	1500Kg
36" Webster Bennett (2 off)	1016mm	635mm	1000Kg

CNC Swedturn Lathes

Machine	Max. Ø	Max. Length	Max. Weight
SMT Swedturn 20 (4 off)	610mm	508mm	500Kg
SMT Swedturn 10 (2 off)	300mm	254mm	150Kg
SMT Swedturn 12	500mm	1300mm	200Kg

Manual Lathes



Machine	Max. Turn Ø	Max. Turn Length
Herbert 9C30 (2 off)	Ø500mm	800mm
Harrison	Ø220mm	914mm
Churchill	Ø660mm	2440mm
Crawford Swift	Ø650mm	2032mm
Stirk	Ø650mm	1270mm
Swift	Ø508mm	1830mm
Craven	Ø508mm	3000mm