



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



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



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



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

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 Super CMC 1982

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



Hartford Blockbuster

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



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 (1)



Gagemaker Mic-Trac MT-3000

Measurement Range
915mm(36")

Accuracy $\pm 0.0251\text{mm}$

*Range of Bowers
BX/MRP/THD Gauges



Mitutoyo MiSTAR 555

Max. 'X' Axis 570mm

Max. 'Y' Axis 500mm

Max. Height 500mm

*Temp Compensation from 10
to 40 deg C

Starrett Sigma HB400

Max. 'X' Axis 254mm

Max. 'Y' Axis 100mm

Max. Stage Weight 25kg

*Large $\text{\O}400\text{mm}$ Screen Size



Inspection/Advanced Metrology (2)

Mitutoyo Crysta-Apex S 123010

Max. 'X' Axis 1200mm

Max. 'Y' Axis 3000mm

Max. Height 1000mm

*Scanning Probe/Temp
Compensation



Hexagon Absolute Arm

8525-6

Length 2.5 meters

Accuracy 0.028mm

Repeatability 0.01mm

*Software Polyworks



Faro Edge Arm

Length 2.7 meters

Accuracy 0.041mm

Repeatability 0.029mm

*Software Cam 2 Measure 10



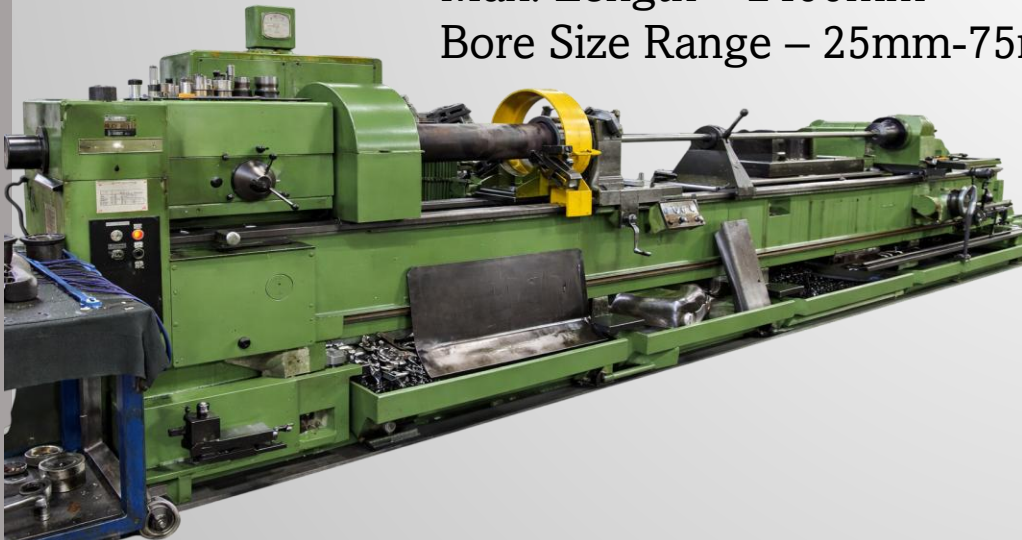
Deep Hole Boring



Ryazan RT 295111 Deep Hole Borer
Bore Range 50mm – 135mm
Counter Boring Range 55mm – 260mm
Max. Bore Length 4000mm
Counter Rotation Head
CNC Control
Skiving Capabilities
4 Jaw Chuck (Ø500mm)
Roller Steadies 125mm – 410mm

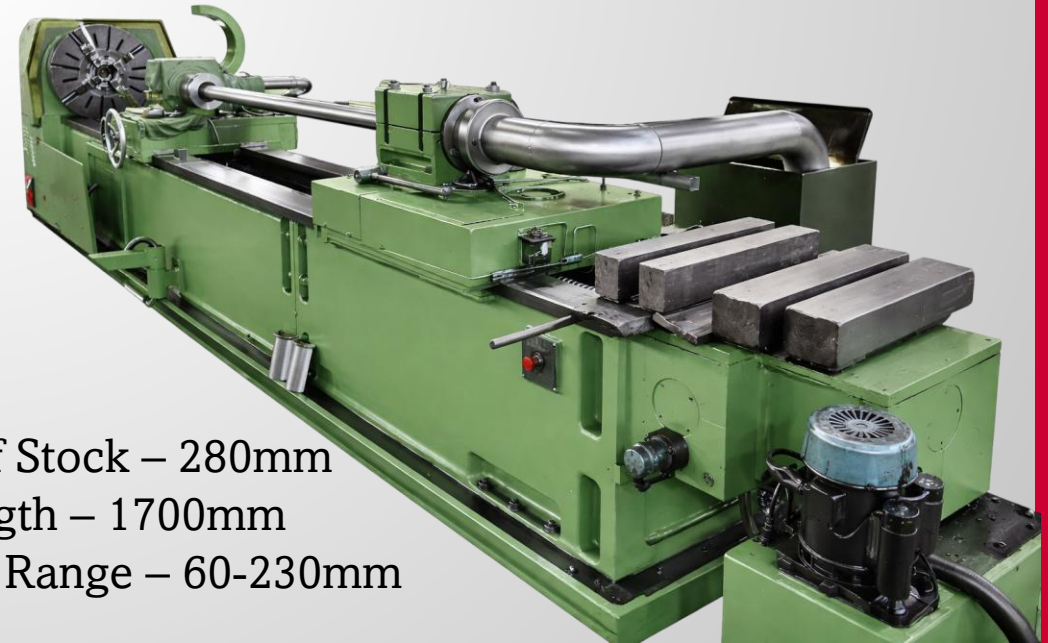
VDF

Max. Ø of Stock – 290mm
Max. Length – 2400mm
Bore Size Range – 25mm-75mm



Craven

Max. Ø of Stock – 280mm
Max. Length – 1700mm
Bore Size Range – 60-230mm



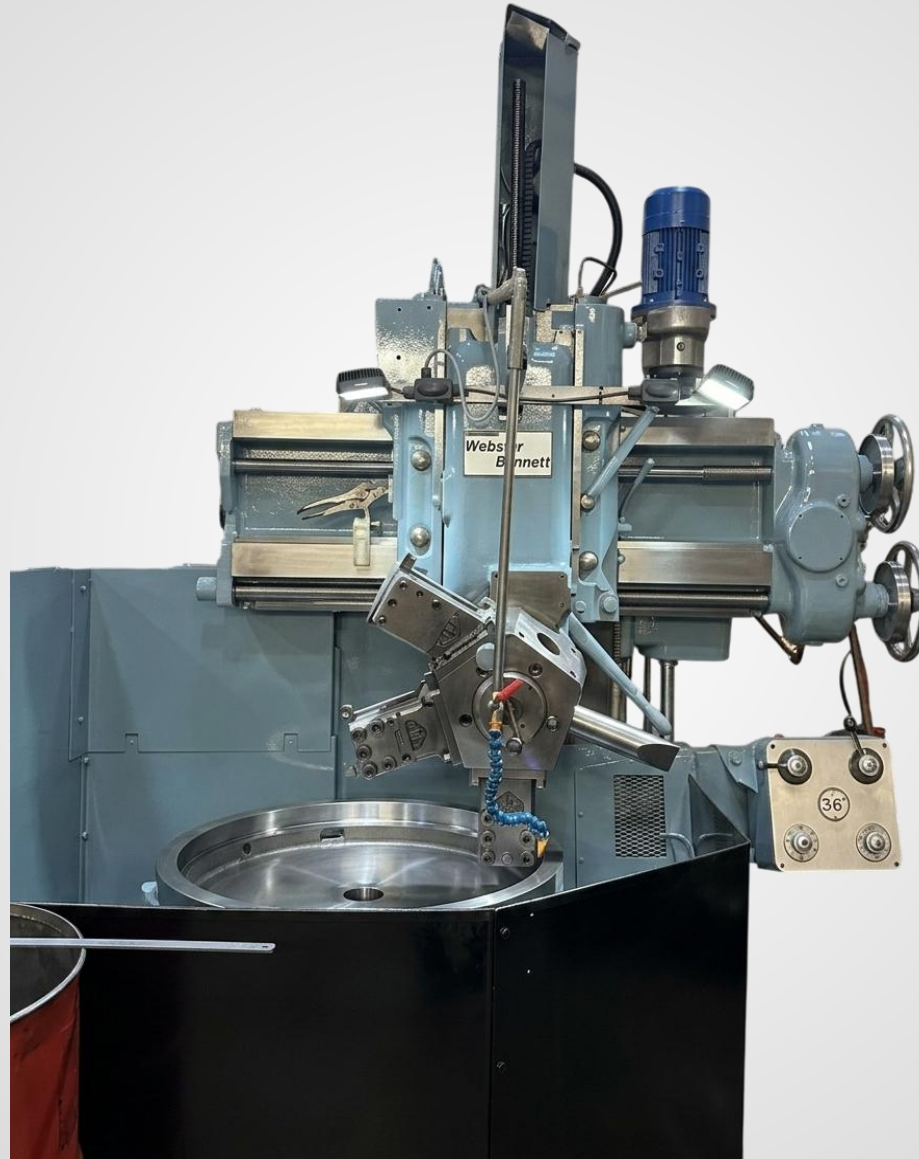
Vertical Boring (Manual)

48" Webster Bennett (3 off)

Max. Ø of Stock 1320mm
Max. Length 1016mm
Max. Weight 2000kg

72" Webster Bennett

Max. Ø of Stock 2032mm
Max. Length 610mm
Max. Weight 9000kg



42" Webster Bennett

Max. Ø of Stock 1320mm
Max. Length 965mm
Max. Weight 1500kg

36" Webster Bennett (2 off)

Max. Ø of Stock 1016mm
Max. Length 635mm
Max. Weight 1000kg

CNC Swedturn Lathes

SMT 10 (3 off)

Max. Ø of Stock 300mm

Max. Length 254mm

Max. Weight 150kg

SMT 20 (4 off)

Max. Ø of Stock 610mm

Max. Length 508mm

Max. Weight 500kg

SMT 12

Max. Ø of Stock 500mm

Max. Length 1300mm

Max. Weight 200kg



Proof Machining Lathes (1)

Herbet 9C30 (2 off)

Max. Ø Turn Ø500mm

Max. Turn Length 800mm

Crawford Swift

Max. Ø Turn Ø650mm

Max. Turn Length 2032mm

Harrison

Max. Ø Turn Ø220mm

Max. Turn Length 914mm

Churchill

Max. Ø Turn Ø660mm

Max. Turn Length 2440mm

Stirk

Max. Ø Turn Ø650mm

Max. Turn Length 1270mm

Tuscan

Max. Ø Turn Ø400mm

Max. Turn Length 5000mm

Swift

Max. Ø Turn Ø508mm

Max. Turn Length 1830mm



Proof Machining Lathes (2)

Hankook Protec 9NC x 4000 Flat Bed CNC Lathe

Swing Diameter Over Bed 950 MM

Swing Diameter Over Carriage / Cross Slide 630 MM

Maximum Turning Length 3,845 MM

Distance Between Centers 4,000 MM

Load Capacity Between Centers 5,000 KGS

Spindle Bore 254 MM

