



Thomas Broadbent & Sons Ltd Capacity List



industrial process division

Waldrich & Coberg

- Max turning diameter = 3500mm
- Max height under toolbox = 3200mm
- Max table weight = 25 tonnes
- Max table speed = 180RPM

- Traverse axes (Milling)
- X Axis = +/-2000mm
- Y Axis = 2000mm
- Z Axis = 2000mm
- C1 Axis = 360 degrees in 0.001 degree increments



Asquith Butler

Large 5 axis CNC machining center with Siemens 840C control, 5000mm X 4000mm table capacity, 2500mm dia rotary table, automatic attachment and 60 tools autochanger.

- Milling Capacity
- Traverse axes
- X Axis = 6000mm
- Y Axis = 3500mm
- Z Axis = 1500mm
- B Axis = 360 degrees in 0.001 degree increments
- Max table weight = 25 tonnes
- Inline milling & drilling attachment
- Max speed = 2250RPM
- Universal milling attachment (full CNC universal head).
- C Axis = 360 degrees around center of ram
- A Axis = +/-90 degrees rotation around X axis (combined with C to point in any direction from horizontal to vertical)
- Max speed = 2250RPM



Dorries Scharmann VTL 2800 / 280 Siemens 840D

- Table Size 2,800mm (110.23") dia
- Max Load Table 25,000 Kg (24.60 ton)
- Max Swing 2,800mm (110.23")
- Max Work Height 3,400mm (133.85")
- Ram Stroke 2500mm (98.42")
- Rapid Traverse 1200mm/min (47.24"/min)
- Ram Cross section 300mm (11.81") x 300mm (11.81")
- Min Bore for Ram 410mm (16.14") dia
- Spindle Speeds: 0.3 – 180 rpm
- Main Drive: 2 x 60 kW
- Live Spindle Speeds: 6 – 2000 rpm
- Live Spindle Power: 30 kW
- Max Turn Tool Weight: 200 Kg (440 lbs)
- Max Mill Tool Weight: 40 Kg (88 lbs)
- Through Coolant: Yes



Dorries Scharmann VTC Sinumerik 840 C

- Table Size 1,800mm (70.80") dia
- Max Load Table 12,000 Kg (11.81 ton)
- Max Swing 2,000mm (78.74")
- Max Work Height 2,398mm (94.40")
- Ram Stroke 1,498mm (59.00")
- Ram Cross section 250mm (9.85") x 250mm (9.85")
- Min Bore for Ram 300mm (11.82") dia
- Spindle Speeds 10 – 350 rpm
- Main Drive 60 kW
- Through Coolant Yes
- Live Spindle Power 30 kW
- Max Mill Tool Weight 150Kg (330 lbs)



Alpha Harrison 2800XS

- Max turning diameter = 1300mm
- Max length between centres = 5000mm



Alpha Harrison 1760XS

- Max turning diameter = 600mm
- Max length between centres = 4000mm



Hartford Super HCMC 1892

- Traverse axes
- X Axis = 2800mm
- Y Axis = 900mm
- Z Axis = 800mm
- Angled head @ 90 degrees to Z Axis with 360 degree manual movement around main spindle



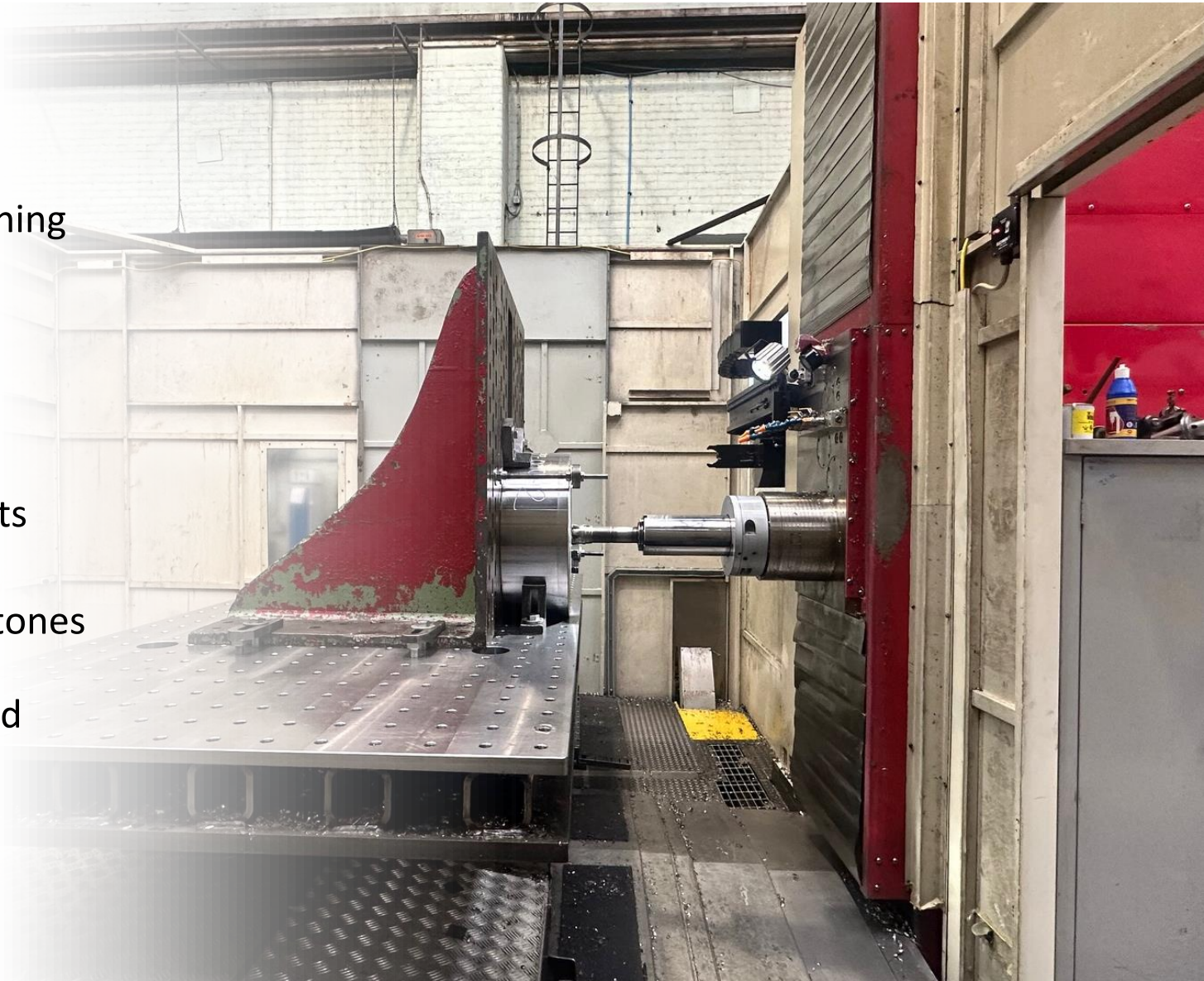
Hwacheon Lathe

- 800mm 3 and 4 jaw chuck
- 3100mm between centers
- C & Y axis
- Full live tooling
- 90mm to 800mm steady



Giddings & Lewis

- Large 5 axis CNC machining center
- X Axis = 2500mm
- Y Axis = 2000mm
- Z Axis = 1100mm
- B Axis = 360 degrees in 0.001 degree increments
- W Axis = 2000mm
- Max table weight = 15 tones
- Table size = 3000mm x 1500mm (with extended table)
- Through coolant - Yes



Welding & Fabrication

- ISO 3834 Quality Certification for fusion welding.
- Proud Member of the Welding Institute.
- 25 welding sets including several new Miller XMS 425 MPa Synergic Welding Systems.
- Sub-arc welding (with column & boom).
- **Rolls:**
4 roll plate bending machine for cold and hot pre-bending and rounding of cylinders and cones. Capacity up to 2000 mm wide; plate 20 mm thick.
- **Positioners:**
5 x 3000kg positioners
1 x 5000kg positioner
1 x 8500kg positioner
- **Presses:**
500 tonne vertical press.
75 tonne horizontal press.



Inspection & Quality

- 6 Axis Faro Arm – 2.4m reach
- ISO 9001
- ISO 3834
- Full inspection reports available
- Full set of micrometers up to 1m
- Verniers and length bars available for larger sizes



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Thank you for your attention



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