



BERG

MANUFACTURING CAPABILITIES

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BRISBANE FACILITY MACHINING CAPABILITIES INCLUDE:

Machining Centre Table 2200 x 1300

- Okuma MCM20 5 Axis, Double Column, twin pallet (1.3m X 2.2m) 69 station ATC

Mazak Vertical Milling machine centre - 510c

- With live 4th Axis
- 1050mm travel in "X"
- 510mm travel in "Y"
- 600mm under milling spindle 30 pre-set tools
- Calibrated measuring probe 1200kg

CNC Lathes

- Doosan S670L, 670mm swing, 1800mm between centres
- Daewoo Puma 12C, 490mm swing, 600mm between centres
- Doosan Puma 700, 870mm swing, 12 station tooling turret, 1800mm between centres

Mazak Intergrex e 410H

- 5 axis milling & turning machine Swing 600mm in chuck
- Swing 240mm through travelling steady 3000mm travel
- 1 Tonne capacity
- 120 pre-tool sets
- Calibrated measuring probe

CNC Borers

- OM-TDC-20N turning centre, 2.0m dia. table, 2.6m swing x 1.8m high, live tooling, 15000kg
- Union horizontal Borer, 2750 x 2200 x 2000 high travel, CNC drilling 2000 x 1800 table, 8000kg

Borers

- Webster & Bennet vertical borer, 1.8m table - Digital readout
- TOS Horizontal borer, 1.6m x 1.1m table, 1.2m table

Milling Machines (2 off)

- Comprehensive range of vertical, horizontal & universal machines

Drilling

- Radial drilling capacity 50mm

Manual Lathes

- 1100mm Swing; 9m bed; 10 tonne capacity swing 550mm over saddle, has 3m travel
- 2x small lathes; swing 300mm over saddle, has 2m travel

Mazak Quick Turn 350 ii MY

- Live Tooling
- Swing 400mm in chuck 1500mm travel in "X" 70mm travel in "Y"
- Ferranti CMM 1100 x 1900 table

MECHANICAL FITTING CAPABILITIES INCLUDE:

Valve Bay - Full refurbishment Testing and Certification of PSV

- Kemet 20 Lapping Machine
- Kemet Optical Measuring Machine for flatness
- Pressure Testing Equipment
- Hydrostatic Testing from 0-15,000 kPa
- Nitrogen Testing from 0-25,000 KPa
- 2 carriage 10 tonne Overhead Gantry Crane
- 10 tonne Overhead Gantry Crane
- 150 & 200 tonne Horizontal Press
- Enerpac Pullers and hydraulic cylinders up to 150 tonne capacity
- 2 x SKF Induction Heaters
- Maintained & Filtered, Eco Friendly Wash Bay.
- 2 Opti-Line Laser Pulley Alignment
- Site Truck
- Associated tooling required for valve refurbishment

GLADSTONE FACILITY

MACHINING CAPABILITIES INCLUDE:

Titan SC 40/50 4HY – CNC Vertical Turret Lathe Double Column

- 3 Tool post with live tooling and milling function
- Chuck Diameter – 4000mm
- Max. swing diameter – 5000mm Height – 3000mm
- Maximum Workpiece weight – 50,000 kg

HNK HB 130CX – CNC Horizontal Boring and Milling Machine

- 4th axis rotary table – 1600mm X 1600mm
- Length – 4000mm
- Height – 2300mm Depth – 1300mm
- W Axis – 700mm
- Rotary table load – 10,000 kg
- Side table load – 15,000 kg

Mazak VTC 200C – Vertical Machining Centre

- 4th axis rotary chuck – 420mm diameter max
- Table length – 1950mm
- Height – 500mm Width – 510mm
- Table load – 1000 kg

Alpha Harrison – 2 Axis CNC Lathe

- Bed length – 3000mm
- Max swing diameter – 550mm
- Swing over saddle – 370mm

Puma – 2 Axis CNC Lathe (Turret type 10 tools)

- Bed length – 1200mm
- Max swing diameter – 550mm

Alpha Harrison – 2 Axis CNC Lathe

- Bed length – 2000mm
- Max swing diameter – 550mm
- Swing over saddle – 370mm

Webster And Bennett - Medium Vertical

- Borer Chuck Diameter – 1500mm
- Max. swing diameter – 2000mm Height – 750mm
- Maximum Workpiece weight – 25000 kg

Webster And Bennett - Large Vertical Borer

- Chuck Diameter – 2750mm
- Maximum swing diameter – 3100mm
- Height – 1980mm
- Maximum Workpiece weight – 25,000 kg

Shibaura TB14 - Medium Vertical Borer

- Chuck Diameter – 1200mm
- Max. swing diameter – 1400mm
- Height – 1100mm

Webster And Bennett - Small Vertical Borer

- Chuck Diameter – 900mm
- Max. swing diameter – 1100mm
- Height – 900mm

Kearns Richard SF125

- Table size – 1200mm X 1200mm

Richards

- Table size – 1070mm X 1070mm

Tos

- Table size – 1120mm X 900mm

Shenyang

- Bed length – 8000mm
- Max swing diameter – 1200mm
- Swing over saddle – 880mm

Shenyang CW6280C

- Bed length – 3000mm
- Max swing diameter – 820mm
- Swing over saddle – 350mm

Shenyang CW61125B

- Bed length – 3000mm
- Max swing diameter – 500mm
- Swing over saddle – 480mm

ZC530

- Bed length – 3000mm
- Max swing diameter – 560mm
- Swing over saddle – 330mm

John Lang and Sons

- Bed length – 7000mm
- Max swing diameter – 2500mm
- Swing over saddle – 1800mm

MISCELLANEOUS:

Surface Grinder

150 Tonne Horizontal Press

60 Tonne Vertical Press

NATA accredited Dye Penetrant

NATA accredited Magnetic Particle

NATA accredited Ultra Sonic thickness

NATA accredited Hydrostatic testing

Eddy Current

10, 16 & 50 Tonne Overhead Crane

Assembly & Testing Equipment

Hydrostatic Testing from 0-15,000 kPa

2 off Pump Test Benches for Vibration Analysis

Pressurised Clean Room – 12.5m x 6.5m
(Includes 5 tonne bridge crane overhead)

Welding & Fabrication

**15x Lincoln Powerwave (5th gen) 500 amp,
with water coolers**

5x GTAW, 300-400 amp water-cooled

1x GTAW 400 amp hot wire (TIP TIG)

2x PTAW – Plasma welding system
Overlay/ cladding and autogenous key hole joining

Manipulation

7x 5t positioners

4x 1-2t positioners

1x 20t turn table

1x 10t turn table

Column and boom (2x2.5m)
integrated with positioner (1.2t), fully programable

Drive rollers up to 5t

Various mechanised oscillating systems

Engineering & Drafting

Inhouse drafting & 3D modelling

Offline CNC programming and machine simulation

Engineering services



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