

ONSITE MACHINING SERVICES DIVISION

A specialist division providing In-Situ Machining Services to customers in the agriculture, mining, oil and gas industries.

The FMS Group Onsite Machining Services Division supplies highly-skilled machinists and state-of-the-art equipment to deliver in-Situ machining services.

Our team of specialists has more than 12 years of combined in-situ machining experience and can offer line boring, XYZ milling, circular milling, metrology, flange facing and clamshell cutting.

OUR CAPABILITIES

We offer experienced, highly-skilled machinists and state-of-the-art equipment to match your requirements and be fully self-sufficient.

LINE BORING

Our line boring units come with:

- 1.2m-3.0m boring bars and up to 48" lead screws.
- 75mm – 1000mm bore diameter and 1000mm bore length.
- Accurate alignment of multiple bores using alignment gauge 6000mm apart.
- Build up and machine face up to 800mm.
- Circlip grooves in bores.
- ID welding bores using precision bore welder.
- Ability to skip grease grooves and keyways.
- Dedicated self-sufficient line boring trucks.

XYZ MILLING

Our XYZ Milling machine is state-of-the-art, with the capability to machine 3m X 12m area and suitable for any size job. HAMAR 2-AXIS Laser is used for all QA, report and alignment works with accuracy of 0.01mm/M.

Our XYZ Milling machine can be configured to suit:

- P&H 4100 Shovel Car Body and Track Frames
- CAT 7495 Car body and Track Frames
- CAT Hydraulic Shovel and Excavator Car Body and Track Frames
- Komatsu Hydraulic Shovel and Excavator Car Body and Track Frames
- HITACHI Hydraulic Shovel and Excavator Car Body and Track Frames
- DRAGLINES Motor Bases and Gearbox Mounts.
- Bearing Pads.
- Strut Faces on Haul Trucks.

CIRCULAR MILLING MACHINE

Our Circular Milling Machine is designed and engineered to be mounted and used radially where high precision and alignment is required.

Our Circular Milling Machine can be configured to suit:

- P&H 4100 Shovel Car Body and Revolving Frames Rack and Roller Path.
- CAT 7495 Car body and Revolving Frame Rack and Roller Path.
- CAT Hydraulic Shovels and Excavators Slew Bearing mounts.
- Komatsu Hydraulic Shovels and Excavators Slew Bearing mounts.
- HITACHI Hydraulic Shovels and Excavators Slew Bearing mounts.
- Wind Turbine Mounting Flange.
- Stacker Reclaimer Slew Bearing mounts.

FLANGE FACING AND CLAMSHELL CUTTING

We provide personnel and equipment to carry out flange facing of up to 5000mm in diameter and 2000mm for clamshell cutting. This allows us to service clients requiring cutting pipes to length and machining weld preps as required by the OEM.

METROLOGY

Our team provide Initial and Final QA on every job for the records. CQFMS have a dedicated Metrology Capability to provide measurements from 0" - 60" Inside and Outside Diameter. Surface Flatness and Reporting using 2 X AXIS laser. Our equipment is regularly calibrated to maintain accuracy and ensure precise measurements every time.



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