

Amdale Limited Plant List

CNC Machining Facilities:

- **Mikron MILL E 700U 5-axis machining centre**
 - Capacity 700 x 600 x 500 - B axis -65 – 110 degrees, C axis 0 – 360.
 - 5 station Pallet loading system.
 - Spindle speed 20,000 rpm.
 - Renishaw Probe, Blum Tool Setter, 60 Tool Capacity.
- **Mikron Hem 500U 5-axis machining centre**
 - Capacity 500 x 450 x 400 - B axis -65 – 110 degrees, C axis 0 – 360.
 - Spindle speed 20,000 rpm.
 - System 3R WPT1 20 Pallet automation package.
 - Renishaw probe, Blum Tool Setter, 60 Tool Capacity.
- **Mikron Hem 500U 5 axis machining centre**
 - Capacity 500 x 450 x 400 - B axis -65 – 110 degrees, C axis 0 – 360.
 - Spindle speed 20,000 rpm.
 - Renishaw Probe, Blum Tool Setter, 60 Tool Capacity, 7 Pallets.
- **DMG 80 eVOLUTION Linear 5-axis machining centre.**
 - Capacity 800 x 600 x 400 - B axis 0 – 102 degrees, C axis 0 – 360 degrees.
 - Spindle speed 18,000 rpm.
 - Accuracy pack added.
- **DMG 70 eVOLUTION Linear 5-axis machining centre.**
 - Capacity 700 x 600 x 400 - B axis 0 – 102 degrees, C axis 0 – 360 degrees.
 - Spindle speed 18,000 rpm.
- **DMG 60 eVOLUTION Linear 5-axis machining centre.**
 - Capacity 600 x 450 x 400 - B axis 0 – 108 degrees, C axis 0 – 360 degrees.
 - Spindle speed 18,000 rpm.
 - Accuracy pack added.
- **DMG 50 eVOLUTION Linear 5-axis machining centre.**
 - Capacity 500 x 450 x 400 - B axis 0 – 108 degrees, C axis 0 – 360 degrees.
 - Spindle speed 18,000 rpm.

CNC Turning Facilities:

- **MORI SEIKI NL 2500 Multi axis CNC lathe.**
 - Capacity 300mm diameter x 700mm long. Driven tooling and Y axis 78mm bar feed system.
- **MORI SEIKI NLX 2500 Multi axis CNC lathe.**
 - Capacity 300mm diameter x 700mm long. Driven tooling and Y axis, CELOS and MAPPS Control.

Wire Erosion:

All wire erosion machines are fitted with automatic wire feed.

- **FANUC ALPHA 1C.**
 - Capacity 530 x 370 x 300. Fine finish unit 0.2 Ra.
- **FANUC ALPHA OC.**
 - Capacity 328 x 220 x 250.
- **FANUC ALPHA OC.**
 - Capacity 320 x 220 x 22.

Spark Erosion:

- **CHARMILLES FORM 2 LC with Orbicut.**
- **2off SMALL HOLE EDM DRILLS.**
 - For drilling holes from 0.25mm to 2mm.

Inspection:

Our inspection department is fully temperature controlled and all inspection equipment is calibrated and traceable to national standards.

- **2off DEA Global Performance CNC Co-ordinate Measuring Machines.**
 - Capacity 1000mm x 700mm x 300mm.
- **Mitutoyo Shadowgraph Model PJ300.**

Finishing:

Full in-house polishing and ultrasonic cleaning facilities

- **ULYXE Laservall Laser Etch.**
 - Part marking.
- **2 off Vac Blast Cabinets.**

Programming:

- **DELCAM.**
 - Power Shape.
 - Power Mill.
 - Power Inspect.
- **VISI-CAM.**
 - Wire 5 (2D & 4-axis).
- **EDGE CAM.**
 - CNC Milling and Turning package.
- **PC-DMIS**
 - Inspection