



Amdale Limited Plant List

CNC Machining Facilities:

- **1 off Mikron MILL E 700 U 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,
- **1 off 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,
- **1 off 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
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- **1 off 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.

- **1 off 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.
- **1 off 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
- **1 off 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:

- **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.**

All wire erosion machines are fitted with automatic wire feed.

Spark Erosion:

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

Inspection:

- **2 off DEA GLOBAL PERFORMANCE CNC CO-ORDINATE MEASURING MACHINE.**
Capacity 1000mm x 700mm x 300mm.

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- **MITUTOYO SHADOWGRAPH MODEL PJ300.**

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

Finishing:

- **ULYXE LASERVALL LASER ETCH. Part marking.**
- **2 off Vac Blast Cabinets.**

Full in house polishing and ultrasonic cleaning facilities

Programming:

- **DELCAM. POWER SHAPE, POWER MILL & POWER INSPECT.**
- **VISI-CAM. WIRE 5 (2D & 4 Axis).**
- **EDGE CAM. CNC Milling and Turning package.**
- **PC DMISS Inspection**