



Design and Build Ltd



| MILLING | | X,Y,Z | Spindle RPM |
|----------------------|---|--------------|-------------|
| GF HPM 450U | 5 Axis plus 65 Pallet changer for non stop machining. From simple drilling to complex 5-sided machining up to 5-axis simultaneous machining. | 600X450X450 | 20000 |
| Mikron UCP | 5 Axis plus 7 Stage pallet changer allows one component to automatically be exchanged for another, which in turns provides a non stop machining solution. | 800x650x500 | 18000 |
| Haas VF2 SS 5 Axis | 5 Axis machining centre. The standard table has been replaced with a dual-axis trunnion table that provides 5-axis motion, or can be used to position a work piece to almost any angle for machining. | 762x406x508 | 12000 |
| Haas Super Mini Mill | The Mini Mill handles small-parts manufacturing- it's ideal for finishing work and cutting aluminium, yet also provides enough low-end torque to cut steel. | 406x305x254 | 10000 |
| Haas VF2 | Geared machining centre for heavy metal use. | 762x406x508 | 7500 |
| Haas VF2D SS | Super Speed VF-2 direct-drive system couples the drive directly to the spindle rather than using belts. Less vibration, less heat and less noise than other drive systems provides better surface finishes, thermal stability and very quiet operation. | 762x406x508 | 12000 |
| Haas VF2D SE | High speed machining centre for variety of jobs. | 762x406x508 | 10000 |
| Haas VF3 | High speed machining centre with 40 tool, tool chang- | 1016x508x635 | 12000 |
| Haas VF4 | VF-4 vertical machining centre has 1,270 x 508 x 635 mm XYZ travel for those larger components | 1270x508x635 | 12000 |
| Haas VFOE | Capable of cutting various types of materials, powerful spindle motor and over two feet of X axis. 4th Axis capability. | | 10000 |
| Super Mini Mill 2 | The Mini Mill handles small-parts manufacturing with 4th Axis capability | 508x405x356 | 10000 |



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TURNING

Daewoo Puma 240MB

550mm Swing, 350mm Max turned diameter, 510mm maximum turning length

INSPECTION

Mitutoyo Euro M574 Co ordinate measuring machine

QCT Inspect 3D measuring software. Measuring range 500mm x 700mm x 400mm. Accuracy 4.0 + 5.0 L / 1000 (manufactures quoted)

CAD/CAM SOFTWARE

CAMWorks / Solidworks

CAMWorks state of the art machining capabilities seamlessly integrate into the SOLIDWORKS design software generating toolpaths from the solidmodel. This eliminates time consuming file transfers and ensuring the part modelled is the part machined.

*All machines are fully integrated with CAD CAM software.