

QUALITY | PRECISION | SERVICE

Flexible Machining Centres



Mitsubishi M-H5B

A multiple pallet magazine supporting up to 8 pallets. Continuous machining is aided by tool breakage detection. Basic specifications: Maximum work piece size - 800 mm x 760 mm 120 Tool ATC

500 mm x 500 mm work piece probing Rapid traverse 40m/min 4 Avis



Mitsubishi M-H60E

A multi-pallet horizontal machining centre with seven pallets supporting up to seven separate fixtures. Offers true flexible machining 24/7. Basic specifications: Max. machining envelope: 1000 mm x 800 mm x 800 mm 80 Tool ATC Maximum spindle speed: 12000 RPM

Pallet change time: 20 seconds (chip to chip)



Tsugami FMA 5

A multi-pallet Flexible Machining Centre designed for high accuracy. Allows for continuous machining for two out of three shifts. Basic specifications: Max. machining envelope: 500 mm x 500 mm x 500 mm Supports 8 pallets 126 Tool ATC

Machining Centres



Fadal VMC 6030

A vertical machining centre with a 30 tool turret and Renishaw work probing. Basic specifications: Table size: 1524 mm x 762 mm x 762 mm Maximum spindle speed: 10,000 RPM 4 Axis



Fadal VMC 4020

A vertical machining centre with a 30 tool turret and Renishaw work probing. Basic specifications: Table size: 1016 mm x 508 mm x 711 mm Maximum spindle speed: 10,000 RPM 4 Axis



Doosan DNM 750 (x2) A flexible machining centre with a full 4th axis. Basic specifications: Axis: (x) 1525 mm x (y) 762 mm x (z) 625 mm Maximum spindle speed: 12,000 RPM 30 tool ATC

Machining Centres



Mitsubishi FA30V EDM Wire Erosion Machine This process is to NADCAP Aerospace standard. Basic specifications: Stroke (X/Y/Z): 750 mm x 500 mm x 670 mm Max. work piece: 1300 mm x 1000 mm x 670 mm Max. work piece weight: 3000 kg

Turning Centres



Tsugami FMA 5

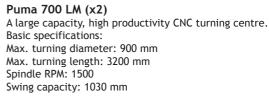
A multi-pallet Flexible Machining Centre designed for high accuracy. Allows for continuous machining for two out of three shifts. Basic specifications: Max. machining envelope: 500 mm x 500 mm x 500 mm Supports 8 pallets 126 Tool ATC



Puma 600

A large capacity, high productivity CNC turning centre with 12 position turret. Basic specifications: Rapid traverse: 12/16m / min Spindle bore: 152 mm Swing capacity: 1030 mm 1650 mm Z Axis







Designed for accuracy, rigidity and speed, this machine features high speed feed on all axis. Basic specifications: Max. turning diameter: 930 mm Max. turning length: 2000 mm Spindle RPM: 1500 Swing capacity: 1000 mm

Mori Seiki MT2500 State of the art turning/milling centre with 5 axis milling capability. Basic specifications: Max. turning diameter: 550 mm Max. turning length: 1528 mm Swing capacity: 1000 mm Supports 120 tools

Mori Seiki SL 603



Email us at: sales@kenard.co.uk or visit our website: www.kenard.com





Turning Centres



Hitachi Seiki HT30G

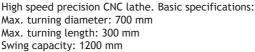
Horizontal lathe/turning machine. Basic specifications: Max. turning diameter: 500 mm Max. turning length: 600 mm Swing capacity: 620 mm Spindle speed: 20-2500 min-1 12 station turret head



Hitachi Seiki HT40G (x 2) Horizontal lathe/turning machine. Basic specifications: Max. turning diameter: 620 mm Max. turning length: 1120 mm Swing capacity: 1000 mm Spindle speed: 20-2000 min-1 12 station turret head

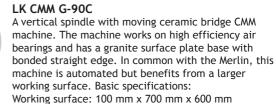


Swedturn 20 Max. turning diameter: 700 mm





Inspection Equipment



Ferranti Merlin 750

A 3-dimensional CMM co-ordinate measuring machine. Basic specifications: Traverse: (x) 750 mm x (y) 750 mm x (z) 500 mm Ferranti profile analysis software SPC software



Etalon Derby 4.5.4

Used for fast dimensional measurement of components in the workshop. This intelligent measurement system automatically recognises geometric features, calculates dimensional data and shows the results geographically.



Hitachi Seiki HC40 Hi-Cell A combined CNC lathe and milling machine. Basic specifications: Max. turning diameter: 330 mm Max. turning length: 1050 mm 24 station automatic tool change facility

Miscellaneous Tools



Microbore EC011

The microset tool pre-setting unit serves as a measuring unit for the operation of drilling, milling and turning with their functional dimensions. The machine gives a readout with linear and rotary encoders. It can also send the data recorded through a post processor function to many of our machine tools.

CEMB Balancing Machine

Enables easy calibration and highly accurate measurements, which is achieved by inputting the geometrical dimensions.



DEA Scirocco A 5 axis co-ordinate measuring machine. Basic specifications: Stroke: (x) 1000 mm x (y) 1500 mm x (z) 800 mm

Accreditations AS9100 REV C, BS EN ISO 9001:2008, BS EN 9100:2009 2008 'Best Machining' MWP Award Winner

Additional Capabilities

Precision machining - CNC turning Universal & horizontal millng Lathes & anilam digital read outs Altendorf panel sizing saw MIG, TIG & ARC welding Vapour blasting

An essential link in your supply chain

Kenard

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