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2007 PLANT LIST

CNC Milling.

<u>Hurco BMC30HT</u> -2000	Ultimax 3 control.	(x) 760 (y) 450.
<u>Hurco BMC20-</u> 2003	Ultimax 3 control	(x) 500 (y) 400.
Hurco- VM1- 2005	Ultimax 3 control	(x) 500 (y) 400.

3D Cad Cam Rapid 3D Milling Software

Using NC Graphics Toolmaker Plus, 3D Cad cam system NC verification via View cut with 2D Cad package, direct interface with DXF UDA/FS and IGES.

Machining strategist RAPID 3D cam software, reads 3D modelling information via IGES, VDA-FS and STL formats and error corrects poor data. Works with ALL major 3D modelling designs systems. Both our CNC milling machines can be down loaded via CAM. An additional seat of 'Machining Strategist' for shop-floor use, for the high speed machining of 3D surface data. Machining Strategist automatically uses 'best practice' and creates an optimised tool-path (as recommended by the tooling suppliers) on all manufacturing operations. Dedicated to the manufacture of mould tool core's, cavities and electrodes.

Surface Grinding

Jones & Shipman 540 x MICRO PROCESSOR CONTROL 1998 With fact saverP-G-E OPTidress 4 way D.R.O. Long column, coolant dust extraction.

Jones & Shipman 1400X 2001 MICRO PROCESSOR CONTROL - 8" x 24" electro magnetic chuck with variable control. Long column, coolant dust extraction.

Jones & Shipman 1400X 2001 MICRO PROCESSOR CONTROL – 8" x 24" magnetic chuck. Long column, coolant dust extraction.

Jones & Shipman 540L - Long column, coolant, dust extraction, 6" x 18" magnetic chuck, 2 axis Mitutoyo D.R.O., PGE Optidress with 4 axis D.R.O.

E. D. M.

Sodick AM 35L Linear High Speed CNC EDM – 40 amp 32 station 3R ATC (automatic tool changer) C axis, with 3R combi tooling.

Sodick A35R High quality CNC EDM MARK 21 generator_16 station ATC (automatic tool changer) R head which combines a C axis and rotational function.

Sodick A320 CNC wire-cut machine - fully submerged, high performance, cutting area 320 x 205 x 175mm fully equipped with 3R tooling.

Sodick AQ 300 L CNC wire cut machine – as above but with AWT.
area 300 x 220 x 175mm fully equipped with 3R tooling.

Hurco 580 - 60amp, fitted with system 3R adapter plate, magnet and chuck, Acu-rite 2 axis D.R.O.

Charmille - HD8 2001. FAST HOLE MACHINE Makes modifications and repairs quicker:- 1.0 mm. diameter hole through fully hardened H13, 30 mm thick in only 60 seconds.

Milling Machines

Kondia Powermill - 2 axis D.R.O., quill and “X” axis feed, coolant, 6” head spacer, full tooling package.

1 Off Bridgeport 1 - variable speed head, 2 axis D.R.O. quill and “X” axis feed, coolant, full tooling package and right angle attachment.

Turning

X Y Z Protrak VL CNC Lathe (2007) 3 Jaw, 4 Jaw and Faceplate. Fitted with a Teach control, ideal tool room/small batch machine.

Measuring Equipment

Various:- Including Mitutoyo bench micrometer, and Mitutoyo height master (lighthouse) granite surface tables, slip gauges, DTI's, bore gauges and micrometers etc.

Laser Welding

Our laser welding is located in a separate unit next door and is offered as a Sub contract service to the trade.

Trumpf Power Weld HL 124P 2005.

Trumpf MultiFlex HL 160 2007. This is the only machine off its kind In the UK. 3 Tonne weight limit, and full CNC control.