

Plant List

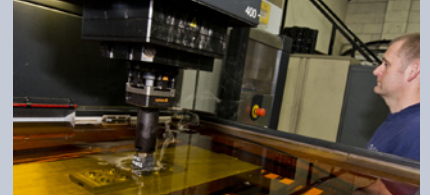
At C&M Mould Tools we constantly look at new technologies that can make us more competitive in today's toolmaking environment both in terms of cost and lead-time. Our plant list enables us to make first class mould tools, but also enables us to offer a sub-contract department that is second to none.



SPARK EROSION

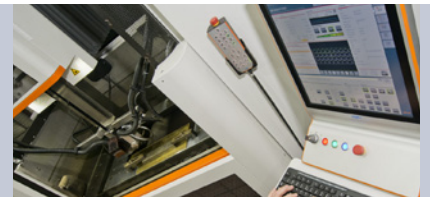
- ONA QX4 CNC 1070 x 770 x 450 tank capacity- full C axis & tool changer
- ONA QX4 CNC 1070 x 770 x 450 tank capacity- full C axis & tool changer
- ONA NX3 CNC 600 x 900 x 330 tank capacity - full C axis & tool changer

All equipped with the full range of System 3R Macro tooling



WIRE EROSION

- CHARMILLES CUT P 550 440cc 1200 x 700 x 400 Complete with Renishaw probing & full Slug management
- CHARMILLES CUT 200 Sp 1000 x 550 x 220 Both fully submerged with automatic wire feed Equipped with full range of System 3R tooling
- CHARMILLES CNC D20 EDM Drill



5 AXIS CNC MILLING

- IBARMIA ZVH 58/L2200 EXTREME
2200 x 1000 Heidenhain 530 control (12,000 rpm)

Complete with Renishaw probing



3 AXIS CNC MILLING

- DEPOJET 1612 High Speed CNC 1600 x 1200 Heidenhain 530 control (14,000 rpm)
- MAZAK VCN500C High Speed CNC 1050 x 530 Mazatol SmoothG control with Renishaw probing
- MAZAK VTC20B CNC Machining Centre 1120 x 510 Mazatol M32B control
- MICRON VCE High Speed CNC 860 x 560 Heidenhain 530 control
- DUGARD 850 CNC Machining Centre 850 x 520 Heidenhain 530 control

All CNC machines are fully networked and programmed via Delcam Powermill on the shop floor



LASER WELDING

Large capacity laser welding machine is capable of repairing large or small moulds. Equipped with a rotating chuck to enable fast repairs to round objects. Images can be taken of before & after welding to document the repair. Large assortment of filler rods from 0.2mm to 1.2mm in a large range of materials.



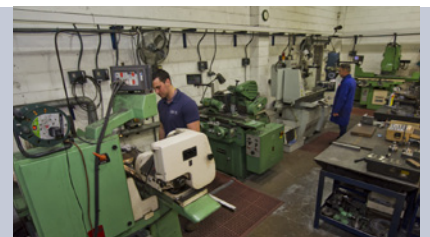
MANUAL MILLING

- BRIDGEPORT Turret mill (3)
- KRV 3000 Turret mill



GRINDING

- APS-818S Programmable surface grinder with Opti-dress
- Jones & Shipman 540 Surface grinder with Opti-dress (3)
- Jones & Shipman 1415 LAR Surface grinder
- Jones & Shipman 1400E Surface grinder
- Chevalier FSG 1020 Surface grinder
- Jones & Shipman 1311 Universal grinder
- Myford MG12 HM Cylindrical grinder



Plant List (continued)

JIG GRINDING

- Moore No.3 jig grinder
- Moore No.3 CNC Jig grinder
- full range of Moore accessories



CNC TURNING

- XYZ Compact Turn 65

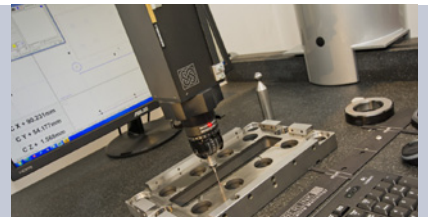


MANUAL TURNING

- Colchester Triumph 2000
- Harrison M300 long bed

INSPECTION

- Aberlink TOO 600 CNC Co-ordinate measuring machine
- Tesa Micro-hite
- Mitutoyo PJ302 Profile projector
- Full range of calibrated measuring equipment



ELECTRODE MANUFACTURE

- MAZAK FJV20 High Speed CNC Machining Centre
- 650 x 410 Mazatrol M32B control with Chameleon software
- Equipped with System 3R Pallets



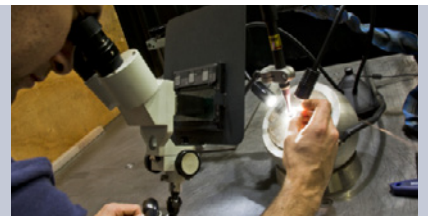
LIFTING (Twin Crane Carriage Facility)

- safely turn over large moulds
- 10 tonne capacity
- variable traverse speeds
- one person operation
- minimal load swing, internal software
- fully safety compliant
- increased reliability of operation



SUNDRY

- Forklifts up to 4 tonnes capacity
- Large capacity radial drilling
- National tool collection & delivery up to 20 tonnes
- In-house Micro welding in all materials
- Ultra-sonic cleaning tank
- Large capacity laser welding
- Dry Ice cleaning machine



CAD CAM

- In house 3D tool and component design/modelling using the latest Delcam Powershape software – 3 seats
- Shop floor programming using Delcam Powermill – 4 seats
- Offline wire erosion programming using MetalCam
- Most CAD formats accepted

