



PLANT LIST - 2019

MACHINING CENTRES – CNC - VERTICAL

Agie Charmilles Mikron VCE800 PRO with dual synchronised CNC 4th Axis Rotary Tables
Agie Charmilles Mikron VCE800 PRO with CNC 4th Axis Rotary Table
Doosan DNM 650 VMC with CNC 4th Axis Rotary Table, Through Spindle Coolant and Full Renishaw Probing
Doosan DNM 350-5AX 5 Axis VMC with CNC Through Spindle Coolant and Full Renishaw Probing
Doosan DNM 500 VMC with CNC 4th Axis Rotary Table, Through Spindle Coolant and Full Renishaw Probing
Doosan DNM 400 VMC with CNC 4th Axis Rotary Table, Through Spindle Coolant and Full Renishaw Probing
Cincinnati Lamb CFV 800i with CNC 4th Axis Rotary Table
Cincinnati Lamb CFV 1300i with CNC 4th Axis Rotary Table, 5th Axis Rotary Table and System 3R tooling
Cincinnati Lamb CFV 550 with Renishaw Tool & Part Probe

MILLERS - CONVENTIONAL (HORIZONTAL & VERTICAL)

Braithwaite Mill Power with Full CNC Control
Bridgeport BR2J2 Turret Milling Machine with DRO & Slotting Attachment
2 x Bridgeport BR2J2 Turret Milling Machine with DRO

MILL/TURN - CNC

2 x Doosan Puma MX2100ST CNC Mill/Turn Centre with Sub Spindle

LATHES – CNC

Doosan Puma 2600L CNC Turning Centre
Doosan Puma 2600M CNC Turning Centre with “C” Axis
Doosan Puma 2000SY CNC Turning Centre with Sub Spindle and “C” Axis
Doosan Lynx 220B CNC Lathe
Doosan Puma 2600 Turning Centre
Nakamura Tome TMC - 300 (Fanuc 16 TA) CNC Lathe with Full 'C' Axis Driven Tools (Monosam 65 Bar Feed)
Okuma & Howa ACT3 (Fanuc 0T) CNC Lathe (Monosam 65 Bar Feed)
2 x Harrison Alpha 1460XS 1500 Centres
Harrison Alpha 1460S 2000 Centres
Harrison Alpha 1460XS 2000 Centres
3 x Harrison Alpha 1550XS 2000 Centres
1 x Alpha 1550XT

LATHES - CENTRE - (STRAIGHT & GAP BED)

Colchester Triumph VS 2500 Gap Bed – 635mm Centres & DRO
Harrison M300 & M390 - Straight Bed
Myford Super 7
Harrison V390 – Straight Bed
1 x Mascot 1600 & DRO

ELECTRO-DISCHARGE - MACHINES - (WIRE CUT)

Charmilles Cut 400sp Wire EDM with Automatic Wire Feed
Charmilles Robofil 640CCS Wire EDM with Automatic Wire Feed
Charmilles Robofil 640CC Wire EDM with Automatic Wire Feed
Charmilles Robofil 440CCS Wire EDM with Automatic Wire Feed
2 x Charmilles Robofil 510P Wire EDM with Automatic Wire Feed
Charmilles Robofil 510 Wire EDM with Automatic Wire Feed
Charmilles Robofil 310 Wire EDM with Automatic Wire Feed
Charmilles Robofil 290 Wire EDM with Automatic Wire Feed
Charmilles Robofil 300 Wire EDM with Automatic Wire Feed
2 x Charmilles Robofil 200 Wire EDM with Automatic Wire Feed



ELECTRO-DISCHARGE - MACHINES - (DIE SINK)

Charmilles Roboform 35 Die Sink EDM with System 3R Tool Change

ELECTRO-DISCHARGE - MACHINES - (DRILL)

Charmilles HD 30 CNC EDM drilling machine
Charmilles drilling 20

GRINDERS - CYLINDRICAL (UNIVERSAL) CNC

Studer S40 1600mm between centres
3 x Jones and Shipman Ultramat M 650

GRINDERS – SURFACE

3 x 540L Jones & Shipman with Optidress
1 x 540P Jones & Shipman with Optidress
1 x 540P Jones & Shipman without Optidress
Jones & Shipman 1400 with Diaform Wheel Forming Attachment

GRINDERS – SURFACE - CNC

Jones & Shipman Techmaster 634
Jones & Shipman Heavy Duty Techmaster 844 Easy
2 x Jones & Shipman Techmaster 524 Easy

GRINDERS - CYLINDRICAL (UNIVERSAL)

Jones & Shipman 1300 EIU 127mm Centre Height x 560mm Centres & Projectordress Wheel Forming Attachment & DRO
Jones & Shipman 1300 127mm Centre Height x 560mm Centres & Gap
Jones & Shipman 1300 EIT
Jones & Shipman 1302

GRINDERS - CENTRELESS

Dedtru Centreless Grinding Unit Extl 3.175mm – 38.1mm Dia
BSA No 4 Centreless Grinding Machine

GRINDERS - OPTICAL PROFILE

2 x Wickman Optical Profile Grinding Machines with DRO

GRINDERS - THREAD

Matrix No 16 Universal Multi – Rib
Jones and Shipman thread grinding software on Ultramat M650

GRINDERS - TOOL & CUTTER

Stankoimport 33C Tool & Cutter Grinder

POLISHING MACHINES

Longitudinal and Cross Hatch Polishing Machine
Rectangular section Polishing Machine

HONING EQUIPMENT

Delapena Speedhone



SAWS - BAND (HORIZONTAL & VERTICAL)

Danobat VP70-50-120 Heavy Duty Bandsaw with Powered Table 700mm cutting height
Danobat CP 520 AF High Precision Automatic Horizontal Bandsaw Capacity 520mm x 600mm
Metora VMB 305 DS High Precision Automatic Horizontal Bandsaw Capacity 305mm x 305mm
Permaka SM4 Vertical Bandsaw

CUT OFF MACHINES

Macc TRS 30 Cutting Off Machine With Circular Blade For Ferrous Metals
Metaserv C180 Cut Off Machine

DRILLING MACHINES

Meddings Model LB-1 Drilling Machine

WELDING PLANT

Miller Syncrowave 351 CC AC/DC Welding Power Source (TIG)
Miller Syncrowave 200 CC AC/DC Welding Power Source (TIG)

CAD / CAM

Solidworks 3D Modeller
Licom Alphacam CAD/CAM system, including Advanced 3 axis 3D milling and wire erosion option
PC based Machine Programming Facility for CNC Turning (Fanuc / Alpha). Direct Numerical Control (DNC) available to all CNC Machinery

INSPECTION

Tesa Scan 50-C Plus
Mitutoyo Crysta Apex S 9166 Co-ordinate Measuring Machine
Starrett HF600 Vertical Projector
Avery Dennison type 6407 Hardness Tester
Taylor Hobson Surtronic Surface Measurement
Full range of Manual Inspection Equipment And Gauging.
Mitutoyo Surface Tester SJ 400
Mitutoyo LH-600E Height Gauge x 2
Mitutoyo PH-3500 Profile Projector Magnification 10-1/20-1
Mitutoyo Toolmakers Microscope
Mitutoyo PJ-A300 Profile Projector Magnification 10-1/20-1
All equipment calibrated traceable to UKAS.

WORKSHOP MEASURE EQUIPMENT

Coventry Gauge 750 Vertical Projector 10 -1, 20 -1
Coventry Gauge 500 Vertical Projector
Deltronic DH216-HPC-200-1
Matrix 500 Profile Projector
Tesa Profile 30
Sigma Screw Thread & Diameter Measurement
Sigma Comparator - 2 off
Vickers Binoculars range x10 to x60
PG Optical Dividing Head
Mitutoyo Profile Projector Type PJ-300 magnification range 10-1, 50-1, 100-1
Trimos V1002+
Trimos Vertical 3
Trimos Mini Vertical
Bowers RG7000 Thread Measurement Gauge
Starrett HE400 Digital Optical Projector
Starrett HB400 Digital Optical Projector
Baty R202 Digital Optial Projector
Deltronic DH216 Digital Optical Projecor