



PLANT LIST

SOFTWARE & IT

CAD/CAM SOFTWARE IS EDGE/CAM 2018R2 FOR PROGRAMMING, THERE ARE 4 SEATS AVAILABLE. WE ALSO USE PART MODELER FOR CREATING SOLID MODELS.

WE WORK FROM CUSTOMER SUPPLIED MODELS IN VARIOUS FORMATS.

OUR SYSTEMS RUN FROM A HEWLETT PACKARD SERVER (NEW 2013) WHICH IS BACKED UP DAILY.

QUALITY CONTROL

APPROVED TO ISO9001:2015 - TRACEABLE TO UKAS.

WE EMPLOY, FIRST ARTICLE, IN PROCESS AND FINAL INSPECTION OF OUR WORK TO MAINTAIN A HIGH STANDARD OF QUALITY, KEEPING NON CONFORMANCES TO A MINIMUM AND HAVE A CLEARLY DEFINED INSPECTION AREA, KITTED OUT WITH VARIOUS CALIBRATED METROLOGY EQUIPMENT, SOME OF WHICH IS LISTED BELOW.

ABERLINK 'AXIOM TOO' FULLY PROGRAMMABLE CO-ORDINATE MEASURING M/C.

ABERLINK 'AXIOM TOO' NON CONTACT CAMERA CO-ORDINATE MEASURING M/C.

FARO GAUGE CO-ORDINATE MEASURING MACHINE – 1 OFF

GRADE 0 INSPECTION SLIPS

TRIMOS DIGITAL HEIGHT GAUGE – 3 OFF

MITUTOYO GRANITE SURFACE TABLE – 2 OFF

MICROMETERS AND BORE MICROMETERS - MANY

DIGITAL MICROSCOPE – 1 OFF

PRODUCTION CONTROL

PSL DATATRACK SOFTWARE GIVES US BAR CODED DATA LOGGING ON THE SHOP FLOOR.

EACH DEPARTMENT HAS ITS OWN DIGITALLY DISPLAYED 'STATUS BOARD' WHICH ALLOWS ALL STAFF TO SEE THE SEQUENCE OF OPERATIONS NEEDED TO PERFORM THEIR TASKS WELL.

DATATRACK HAS A SCHEDULER WHICH WE USE TO ASCERTAIN AND ANALISE OUR CAPACITY AND IT ALSO GIVES US DATA FEEDBACK FOR INPUT INTO OUR KEY PERFORMANCE INDICATORS.

OUR WORKSHOP IS CLEAN AND ORGANISED. WE HAVE APPLIED ELEMENTS OF LEAN PRINCIPLES AND CONTINUE TO EXPLORE EFFICIENCY AND INITIATIVE ON A PERMANENT BASIS.

WE HOLD AN EXTENSIVE RANGE OF STANDARD TOOLING, HELD IN A VERY ORGANISED FASHION AND RE-STOCKABLE BY USE OF BAR CODING.

ASSEMBLY AND FITTING

WE HAVE AN ASSEMBLY DEPARTMENT THAT CATERS FOR ELECTRO-MECHANICAL ASSEMBLY. NORMAL WORKSHOP ACTIVITIES SUCH AS SOLDERING/BRAZING, PEENING, FITTING ETC ARE CATERED FOR HERE AS WELL.

CNC MILLING

HURCO VMX30Ti – 1 OFF

X-AXIS TRAVEL – 760mm
Y-AXIS TRAVEL – 508mm
Z-AXIS TRAVEL – 610MM
MAX RPM 12000
TURRET CAPACITY 40 TOOLS
4TH AXIS TRUNNION FITTED

HURCO VMX30i – 1 OFF

X-AXIS TRAVEL – 760mm
Y-AXIS TRAVEL – 508mm
Z-AXIS TRAVEL – 610MM
MAX RPM 12000
TURRET CAPACITY 25 TOOLS
MODULAR VACUUM CHUCK ATTACHMENT

HAAS VF 4 – 1 OFF

X-AXIS TRAVEL – 1270mm
Y-AXIS TRAVEL – 508mm
Z-AXIS TRAVEL – 635 mm
TABLE SIZE – 1320mm x 458mm
MAX RPM – 7500
TURRET CAPACITY – 32 TOOLS
4TH AXIS ATTACHMENT

HAAS VF2SS – 1 OFF (WITH THROUGH COOLANT)

X-AXIS TRAVEL – 762mm
Y-AXIS TRAVEL – 406mm
Z-AXIS TRAVEL – 508mm
TABLE SIZE – 915mm x 355mm
MAX RPM – 12000
TURRET CAPACITY – 25 TOOLS

HAAS VF2SS – 1 OFF (WITH THROUGH COOLANT & AIR BLAST)

X-AXIS TRAVEL – 762mm
Y-AXIS TRAVEL – 406mm
Z-AXIS TRAVEL – 508mm
TABLE SIZE – 915mm x 355mm
MAX RPM – 12000
TURRET CAPACITY – 25 TOOLS
4TH AXIS ATTACHMENT

HAAS VF2SS – 1 OFF

X-AXIS TRAVEL – 762mm
Y-AXIS TRAVEL – 406mm
Z-AXIS TRAVEL – 508mm
TABLE SIZE – 915mm x 355mm
MAX RPM – 12000
TURRET CAPACITY – 25 TOOLS
4TH AXIS ATTACHMENT

HAAS TM 2 – 1 OFF

X-AXIS TRAVEL – 1016mm
Y-AXIS TRAVEL – 406mm
TABLE SIZE – 1320mm x 254mm
MANUAL TOOL LOADING

CNC TURNING

XYZ PROTURN VL-425 – 1 OFF

SWING – 470mm
DISTANCE BETWEEN CENTRES – 1250mm
SPINDLE BORE – 80mm
MAX SPINDLE SPEED – 2500 RPM

HAAS HL2SP – 1 OFF

SPINDLE BORE – 51mm
CHUCK SIZE – 203mm
DISTANCE BETWEEN CENTRES – 610mm
MAX CUT DIA. – 254mm
MAX CUT LENGTH – 508mm
MAX SPINDLE SPEED – 3750 RPM
10 STATION TOOL TURRET

HAAS SL20 – 1 OFF

SPINDLE BORE – 51mm
CHUCK SIZE – 210mm
DISTANCE BETWEEN CENTRES – 610mm
MAX CUT DIA. – 262mm
MAX CUT LENGTH – 508mm
MAX SPINDLE SPEED – 4000 RPM
10 STATION TOOL TURRET
HYDRAULIC COLLET ATTACHMENT

MANUAL MILLING

MACH YS-1 (1)

ACU-RITE 200S PROGRAMMABLE 2 AXIS DRO
X & Y AXIS POWER FEED
X-AXIS 800mm
Y-AXIS 350mm
QUILL TRAVEL 127mm WITH POWER FEED

MACH YS-1 (2)

ACU-RITE 200S PROGRAMMABLE 2 AXIS DRO
X & Y AXIS POWER FEED
X-AXIS 800mm
Y-AXIS 350mm
QUILL TRAVEL 127mm WITH POWER FEED

MANUAL TURNING

MACH L-1340

NEWALL DP 500 DIGITAL 2 AXIS DRO
SWING IN GAP – 512mm
SWING OVER BED – 342mm
DISTANCE BETWEEN CENTRES 1000mm

MISCELLANEOUS

2 EXTERNAL COMPAIR AIR COMPRESSORS SUPPLY THE WORKSHOP WITH THE NECESSARY PRESSURISED AIR SUPPLY, THEY RUN IN TANDEM AND BACK EACH OTHER UP.

STARTRITE 20 RWF BANDSAW;
CAPACITY – 500mm WIDE x 250mm HIGH

SILOMA BANDSAW;
CAPACITY DIA 200mm

QUICKBOY TAPPING HEAD STATION UP TO M8

BOLLHOFF HELICOIL PLUS ES410 AUTO INSERTION STATION

300 X 300 WIXROYD VACUUM CHUCK

PERSONAL DELIVERY BY OUR OWN TRANSPORT (OXFORDSHIRE AND SURROUNDING COUNTIES)

All machinery and equipment are regularly serviced and calibrated according to a strict schedule held in Datatrack system and checked as part of our ISO annual assessment & certification