



## PLANT LIST

### SOFTWARE & IT

CAD/CAM SOFTWARE IS EDGE/CAM 2018R2 5 AXIS SIMULTANEOUS 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 PROLIANT ML350 GEN 9 (NEW 2018) 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  
4<sup>TH</sup> 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  
4<sup>TH</sup> 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  
4<sup>TH</sup> 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

## 4<sup>TH</sup> AXIS ATTACHMENT

### **HAAS UMC 750 5 AXIS – 1 OFF (WITH THROUGH COOLANT)**

X-AXIS TRAVEL – 762mm  
Y-AXIS TRAVEL – 508mm  
Z-AXIS TRAVEL – 508mm  
B-AXIS TRAVEL - +110 DEG/-35 DEG  
C-AXIS TRAVEL – 360 DEG  
TABLE SIZE – 500mm x 500mm  
MAX RPM – 12000  
TURRET CAPACITY – 40 TOOLS

### **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 – 2 OFF**

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)