MACHTECH
MACHINING TECHNOLOGY LIMITED

ACS REGISTRARS Quality Assurance ISO 9001 UKAS QUALITY MANAGEMENT 229

PLANT LIST

SOFTWARE & IT

CADCAM SOFTWARE IS EDGECAM 2012 FOR PROGRAMMING, THERE ARE 3 SEATS AVAILABLE. WE ALSO USE SOLID EDGE FOR CREATING SOLID MODELS.
WE WORK FROM CUSTOMER SUPPLIED MODELS IN VARIOUS FORMATS.
OUR SYSTEMS RUN FROM A HEWLETT PACKARD SERVER (NEW 2012) WHICH IS BACKED UP DAILY.

QUALITY CONTROL

APPROVED TO ISO9001:2008 - 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 - NEW 2013!

X-AXIS TRAVEL – 760mm
Y-AXIS TRAVEL – 508mm
Z-AXIS TRAVEL – 610MM
MAX RPM 1200
TURRET CAPACITY 40 TOOLS

HAAS VF 4SS – 1 OFF

X-AXIS TRAVEL – 1270mm
Y-AXIS TRAVEL – 508mm
Z-AXIS TRAVEL – 635 mm
TABLE SIZE – 1320mm x 458mm
MAX RPM – 12000
TURRET CAPACITY – 40 TOOLS
4TH AXIS 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 – 20 TOOLS
4TH AXIS ATTACHMENT

HAAS VF 2 – 1 OFF

X-AXIS TRAVEL – 762mm
Y-AXIS TRAVEL – 406mm
Z-AXIS TRAVEL – 508mm
TABLE SIZE – 915mm x 355mm
MAX RPM – 12000
TURRET CAPACITY – 20 TOOLS
4TH AXIS ATTACHMENT

HAAS VF 2 – 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 – 20 TOOLS
4TH AXIS ATTACHMENT

HAAS VF 1 – 1 OFF

X-AXIS TRAVEL – 508mm
Y-AXIS TRAVEL – 406mm
Z-AXIS TRAVEL – 508mm
TABLE SIZE – 660mm x 355mm
MAX RPM – 7500
TURRET CAPACITY – 20 TOOLS

HAAS TM 2 – 1 OFF

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

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 FOR THE ABOVE TWO LATHES.

MANUAL MILLING

BRIDGEPORT SERIES 1 VARISPEED (WITH DRO)

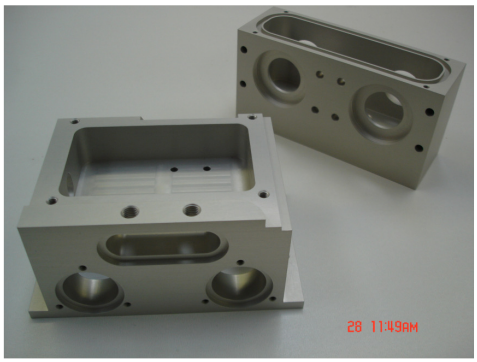
X-AXIS 655mm
Y-AXIS 285mm

BRIDGEPORT J-TYPE WITH 100mm (HEAD RISER AND DRO)

X-AXIS 610mm
Y-AXIS 300mm

KRV 2000 (WITH DRO)

X-AXIS 690mm
Y-AXIS 350mm



MANUAL TURNING

COLCHESTER TRIUMPH 2000 (WITH DRO)

SWING IN GAP – 600mm
SWING OVER BED – 400mm
DISTANCE BETWEEN CENTRES 1000mm

COLCHESTER STUDENT 1800 (WITH DRO)

SWING – 330mm
DISTANCE BETWEEN CENTRES – 700mm

HARDINGE SUPER PRECISION (WITH DRO)

SWING – 210mm
DISTANCE BETWEEN CENTRES – 400mm

COLCHESTER CHIPMASTER 3000

SWING – 286mm
DISTANCE BETWEEN CENTRES – 508mm

MISCELLANEOUS

2 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;
UP TO M8

SEALEY SB972.V3 BEADBLASTER;
CABINET SIZE; 760mm x 510mm x 300mm