

# Ashton Jig & Tool Co Ltd. CAPACITY LIST

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## **DESIGN:**

Softech 2D Expert CAD, OneCNC 3D Solid Creator

## **INSPECTION:**

1 – Global S Blue 09.15.8 Co-ordinate Measuring Machine PCdms Cad++2016. Temperature controlled room.  
1 – Keyence XM-5000 Camera Measuring Unit  
1 – Trimos Digital Height Gauge 0.001mm reading, 600mm high  
1 – Mitutoyo Digital Height Gauge 0.001mm reading, 600mm high  
Micrometers, Slip Gauges, Bore Gauges etc. All Equipment Calibrated. Over 400 pieces of measuring equipment

## **WIRE EROSION:**

1 – Fanuc Robocut Alpha c600i WB AWF X600, Y400, Z400 (cutting area)  
1 – Fanuc Robocut Alpha -1iA AWF X520, Y370, Z410 (cutting area)  
1 – Fanuc Robocut Alpha-OiC AWF X320, Y220, Z250 (cutting area)  
1 – Fanuc Robocut Alpha- OiA AWF X320, Y220, Z180 (cutting area)

## **ELECTRO DISCHARGE MACHINING:**

1 – Joemars VEDM hole drilling machine JM528DZ, 0.3 diameter – 3mm diameter  
1 – Joemars JM650FZ Spark Eroder  
1 – Joemars JM430 Spark Eroder  
1 – Joemars TR100 Portable Tap & Drill Remover

## **CNC MILLING: Full 3D 4 axis machining**

1 – Correa Diana 25 Horizontal CNC X2500 Y1000 Z1000 + 700mm Diameter 4<sup>th</sup> Axis  
1 – Doosan MYNX DN6500/50, X1270, Y670, Z625 + 4<sup>th</sup> Axis  
1 – Quasar VMC MV 204V, X1270, Y700, Z610  
1 – Quaser MV184P VMC, X1000 Y660 Z600  
1 – Doosan DNM 5700, X1300, Y7670, Z625 with Alberti Right angled head (Minimum aperture access 100mm diameter x 145mm deep) + 4<sup>th</sup> Axis  
1 – Bridgeport Interact 720, X760, Y410, Z450 + 4<sup>th</sup> Axis  
3D Cad Cam Software

## **Conventional MILLING:**

1 – Herbert DeVlieg Jig Mill No 43H72 X1800, Y900, Z1250 3 axis DRO  
1 – Rotary Air Lift Table

## **CNC TURNING:**

2 – XYZ XL1100 CNC Lathe with Tailstock. 2000mm between centres 1000mm diameter 4 Jaw Chuck  
1 – XYZ Pro-turn CNC SLX 555-3000mm between centres 3 and 4 Jaw Chucks  
1 – Victor Model V Turn S26 CNC Lathe. 250mm diameter 3 Jaw Power Chuck, 600mm between centres. With Live Tooling  
1 – Victor Model V Turn 26/ 60 CNC Lathe. 250mm diameter 3 Jaw Power Chuck, 600mm between centres  
1 – Victor Model V Turn 36 – 125 CNC Lathe. 380mm diameter 3 Jaw Power Chuck, 1250mm between centres

## **Conventional TURNING:**

1 – DS & G Type 25 Gap Bed Centre Lathe x 72” (1830mm) between centres, 2 axis DRO. 1000 diameter swing in gap  
1 – Colchester Mastiff VS 1800 (2000mm) between centres, 2 axis DRO  
1 – Colchester Triumph VS 2500 (1250mm) between centres, 2 axis DRO  
1 – Colchester Triumph 2000, 39” (1000mm) between centres, 2 axis DRO

## **JIG BORING:**

2 – Genevoise SIP Hydroptic 6A  
4 – Rotary Inclined Tables

## **GRINDING:**

1 – Perfect PFG-50-150 AHR (500mm x 1500mm) Surface Grinder  
1 – Perfect PFG-40-80 AH (400mm x 800mm) Surface Grinder  
1 – Jones & Shipman 1027. 10” x 27” (254mm x 686mm) Surface Grinder  
1 – Jung 8” x 24” (204mm x 610mm) Surface Grinder

## **FITTING:**

1 – 3” 6” (1067mm) Archdale Radial Arm Drill  
1 – Pollard Pillar Drill  
1 – No. 6 Sweeney & Blocksidge DB tall Fly Press  
1 – Mills 30 ton hydraulic ‘C’ Frame Press  
1 – Addison CB250A Automatic Horizontal Bandsaw  
1 – Addison VBS500 Vertical Bandsaw  
1 – Roscamat Tapping Machine M2-M27 Capacity

## **Laser Engraving & 3D Printing**

1 – Technifor Laser Workstation LW3 Fibre Optic with 4<sup>th</sup> axis (Mainly for Steels)  
1 – Technifor Laser LS100EX CO2 with 4<sup>th</sup> axis, Cut & Engrave area 600 x 300 (Mainly for Plastics & Wood)  
1 – Prusa MK4 3D Printing Machine

