



CNC MACHINES

- 2 **Deckel Maho - DMU 40 eVo Linear
5-Axis Universal Machining Center**
- > X-axis 400mm - 15.7"
 - > Y-axis 400mm - 15.7"
 - > Z-axis 375mm - 14.7"
 - > C-axis 360 Degrees
14,000rpm Motor Spindle
 - > 60 Tools
 - > Control - Heidenhain iTNC 530
HSCI

- 1 **Deckel Maho - DMU 80eVo
5 Axis Machining Center**
- > X-axis 800mm - 31.5"
 - > Y-axis 650mm - 25.6"
 - > Z-axis 551mm - 21.7"
 - > B-axis -5/+110
 - > C-axis 360 Degrees
 - > 18,000rpm Spindle Speed
 - > 60 Tools A.T.C.
 - > Control - Heidenhain TNC 530 HSCI

- 1 **Deckel Maho - DMC 1035V
3 Axis Vertical Machining Center**
- > X-axis 1035mm - 40.7"
 - > Y-axis 560mm - 22"
 - > Z-axis 510mm - 20"
 - > 10,000rpm Spindle Speed
 - > 30 Tools A.T.C.
 - > Control - Heidenhain TNC 530

- 3 **Deckel Maho - DMU 50 eVo Linear
Full 5 Axis Machining Center**
- > X-axis 500mm - 19.6"
 - > Y-axis 450mm - 17.7"
 - > Z-axis 400mm - 15.7"
 - > B-axis 0 - 161 Degrees
 - > C-axis 360 Degrees
 - > 18,000rpm Spindle Speed
 - > 60 Tools A.T.C.
 - > Control - Heidenhain TNC 530

- 2 **Deckel Maho - DMC 635V
3 Axis Vertical Machining Center**
- > X-axis 635mm - 25"
 - > Y-axis 560mm - 22"
 - > Z-axis 510mm - 20"
 - > 10,000rpm Spindle Speed
 - > 30 Tools A.T.C.
 - > Control - Heidenhain TNC 530

- 1 **Deckel Maho - DMC 1035V
Full 4 Axis Vertical Machining Center**
- > X-axis 1035mm - 40.7"
 - > Y-axis 560mm - 22"
 - > Z-axis 510mm - 20"
 - > 10,000rpm Spindle Speed
 - > 20 Tools A.T.C.
 - > Control - Heidenhain TNC 530
 - > Lehmann 4th Axis



CNC MACHINES

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| <p>1 Deckel Maho - DMC 104V
Linear Vertical Machining Center</p> <ul style="list-style-type: none">> X-axis 1040mm - 40.9"> Y-axis 600mm - 23.6"> Z-axis 500mm - 19.7"> 12,000rpm Spindle Speed> 30 Tools A.T.C.> Control - Sinumerik 810D with shopmill | <p>1 Deckel Maho - DMF 180
3 Axis Vertical Machining Center</p> <ul style="list-style-type: none">> X-axis 1800mm - 70.86"> Y-axis 700mm - 27.56"> Z-axis 700mm - 27.56"> 18,000rpm Spindle Speed> 30 Tools A.T.C.> Control - Heidenhain TNC 530 |
| <p>2 Mori Seiki
4 Axis NHX4000 Horizontal Milling Center</p> <ul style="list-style-type: none">> X-axis 560mm - 22.05"> Y-axis 560mm - 22.05"> Z-axis 660mm - 25.98"> 2 Pallet Rotary Changer> Pallet 400mm X 400mm - 15.7" X 15.7"> 12,000 rpm Spindle Speed> 60 Tools> Control - Mitsubishi | <p>1 Gildemeister CTX Beta 500
4 Axis Turning Center</p> <ul style="list-style-type: none">> X-axis 560mm - 22.05"> Y-axis +/- 60mm – +/- 2.4"> Z-axis 550mm – 21.7"> C Axis and Motor Driven Tools> Maximum Diameter Turnable - 700mm - 27.6"> Between Centers – 500mm – 19.68"> 4,000rpm – Main Spindle Speed> 6,000rpm – Driven Tool Speed> 16 Driven Tools Turret VDI 30> Control – Heidenhain Plus IT With ERGO Line |
| <p>1 Mori Seiki
9 Axis NZX 1500/800SY2 Turning Center</p> <ul style="list-style-type: none">> X1, X2-axis 210mm - 8.3"> Y1, Y2-axis 109mm - 4.3"> Z-axis 810mm - 31.9"> C-axis High Precision Indexing spindle 1, 2> Bar Working Capacity 2"> Maximum Diameter 299mm - 11.8"> 6,000 rpm Spindle 1, 2" Bore Size> 6,000 rpm Spindle 2> 16 X 2 Turrets Tools High Speed Rotary Tools 12,000rpm | <p>1 Mori Seiki
9 Axis NTX 1000/SZM Mill-Turn</p> <ul style="list-style-type: none">> X-axis 380mm - 15.0"> Y-axis ± 105mm - ± 4.1"> Z1-axis 460mm + 155 - 18.1" + 6.1 for ATC> B-axis ± 120°> X2-axis 460mm - 18.1"> Z2-axis 610mm - 24.0"> 6,000 rpm Main & Second Spindle Speed> 12,000 rpm Milling Spindle> 38 Tools |



CNC MACHINES

- 1 **GF Agie Charmilles
F1 440CCS Wire EDM**
- > Work Piece Dimensions - 1200mm X 700mm X 400mm - 47.2" X 27.6" X 15.75"
 - > Maximum Work Piece Weight 1500KG/3300LBS
 - > Travel X-axis 550mm - 21.7"
 - > Travel Y-axis 350mm - 13.8"
 - > Travel Z-axis 400mm - 15.75"
 - > Travel U-axis 550mm - 21.7"
 - > Travel V-axis 350mm - 13.8"
 - > Taper Angle +/-30 degrees
 - > Height - 305mm - 12"

- 1 **Charmilles Robofil Wire
EDM 2020 SI**
- > Taper Angle +/-30 degrees
 - > Height - 250mm - 9.8"
 - > Maximum Part - 990 X 505mm -38.9" x 19.8"
 - > Maximum Workpiece Weight - 500KG/1102LBS
 - > 150mm Immersion
 - > Travel X-axis 320mm - 17.7"
 - > Travel Y-axis 220mm - 12.6"
 - > Travel Z-axis 116mm - 6.37"

- 1 **Charmilles Sink
EDM Form 20ZNC**
- > Table size - 500mm X 350mm - 19.6" X 13.7"
 - > Maximum workpiece Weight - 500KG/1100LBS
 - > Travel X-axis 300mm - 11.8"
 - > Travel Y-axis 200mm - 7.8"
 - > Travel Z-axis 300mm - 11.8"

- 1 **Charmilles Robofil Wire
EDM 4020 SI**
- > Taper Angle +/-30 degrees
 - > Height - 152mm - 6"
 - > Maximum Part - 1150 X 725mm - 45.2" X 28.5"
 - > Maximum Workpiece Weight - 800KG/1763LBS
 - > 200mm Immersion
 - > Travel X-axis 450mm - 17.7"
 - > Travel Y-axis 320mm - 12.6"
 - > Travel Z-axis 162mm - 6.37"

- 1 **Charmilles Robofil Wire
EDM 2030 SI**
- > Taper Angle +/-30 degrees
 - > Height - 250mm - 9.8"
 - > Maximum Part - 990 X 505mm -38.9" x 19.8"
 - > Maximum Workpiece Weight - 500KG/1102LBS
 - > 150mm Immersion
 - > Travel X-axis 320mm - 17.7"
 - > Travel Y-axis 220mm - 12.6"
 - > Travel Z-axis 116mm - 6.37"

- 1 **Charmilles Sink EDM
Roboform 35P**
- > Travel X-axis - 13.78"
 - > Travel Y-axis - 9.84"
 - > Travel Z-axis - 11.81"
 - > Maximum Work Piece Weight 500KG/1100LBS
 - > Table size - 500mm X 400mm - 19.6" X 15.7"



CNC MACHINES

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| <p>1 Charmilles Sink EDM
Form 300</p> <ul style="list-style-type: none">> Travel X-axis 600mm - 23.62"> Travel Y-axis 400mm - 15.75"> Travel Z-axis 450mm - 17.72'> Z Axis Speed 10 (32.8) m/min> Positioning resolution X,Y,Z - 0.05µm> Worktank size 1220 X 870 X 470mm
- 48.03 x 34.25 x 18.50"> Worktable size 750 X 600mm
- 29.53 x 23.62"> Max. workpiece weight 1600kg
/3527.40lbs> Max. workpiece dimensions
1220 x 870 x 470mm - 48.03 X 34.25
X 18.50" | <p>1 Maxicut M-26
Manual EDM Drill</p> <ul style="list-style-type: none">> Travel X-axis 300mm - 11.8"> Travel Y-axis 250mm - 9.8"> Back Slide Travel - 150mm - 5.9"> Travel Z-axis 350mm - 13.7"> Maximum Open Height - 210mm
to 360mm - 8.2" to 14.1"> Work Table - (W X D) 445mm
X 305mm - 17.5" X 12.0"> Work Pan - (W X D) 870 x 560mm
- 34.2" x 22.0"> Maximum Work Piece Weight
450KG/990LBS> Standard Range Electrode Size
0.3mm to 3.0mm - .011" to .118"
Diameter> Special Electrodes <i>Up to 5.0mm</i>
- .196" |
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MANUAL MACHINES

3	First LC 1 1/2 VS Vertical Milling Machine <ul style="list-style-type: none">> X-axis - 23"> Y-axis - 12"> Z-axis - 15"	1	Tos FNK2 Vertical Milling Machine <ul style="list-style-type: none">> X-axis - 32"> Y-axis - 16"> Z-axis - 17"
1	Stanko 6M76 P Universal Milling Machine <ul style="list-style-type: none">> X-axis - 15.75"> Y-axis - 10"> Z-axis - 15.75"	1	Pedersen Horizontal Milling Machine <ul style="list-style-type: none">> X-axis - 28"> Y-axis - 10"> Z-axis - 23"
1	Sajo UF 52 Horizontal Milling Machine <ul style="list-style-type: none">> X-axis - 28"> Y-axis - 10"> Z-axis - 23"	1	Microweily TY - 1845 S High Precision Manual Lathe <ul style="list-style-type: none">> Diameter 10" / 18" X 55"
1	Stanko 1N611P High Precision Manual Lathe <ul style="list-style-type: none">> Diameter 6" X 18"> 5C Collet Chuck	1	Kao Ming KMR 700 <ul style="list-style-type: none">> 36" Arm Radial Drill Press Nr. 4 MT
1	Ibarmia TL-25 <ul style="list-style-type: none">> Drill Press Nr. 3 MT	1	Famup FDR18 <ul style="list-style-type: none">> Drill Press Nr. 3 MT
1	MDW 3000 <ul style="list-style-type: none">> Drill Press Nr. 3 MT	1	Chevalier FGS-618M Surface Grinder <ul style="list-style-type: none">> 6" X 19" Magnetic Chuck
1	EQUIPTOP ESG-3A618 Hydraulic Surface Grinder <ul style="list-style-type: none">> 6" X 19" Magnetic Chuck	1	Feinmechanik <ul style="list-style-type: none">> Michael Deckel S11 Universal Tool and Cutter Grinder (Complete attachments)
1	Feinmechanik <ul style="list-style-type: none">> Michael Deckel S0 Tool and Cutter Grinder	1	Michaellin <ul style="list-style-type: none">> Tool and Cutter Grinder



MANUAL MACHINES

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| 1 | Darex V390
> Drill Sharpener | 1 | Over/Under Furnance
> 24" x 14" x 11" (Top)
> 2,000°F (Top)
> 24" x 14" x 11" (Bottom)
> 1,200°F (Bottom) |
| 3 | Pedestal Grinders | 1 | Deckel G1L Engraver |
| 4 | Vertical Saws | 1 | Horizontal Saw |



INSPECTION & MEASURING MACHINES

1	Brown & Sharpe 2000 CMM > 22" X 29.5" X 19"	1	Brown & Sharpe Global 555 CMM > 19.7" X 19.7" X 19"
1	Sheffield Discovery III Cordax D-28 CMM > 30." x 40.00" x 24.00"	1	Tesa Micro-hite 3D CMM > 13" x 18" x 20"
1	15" Diameter Mitutoyo Profile Projector > X-axis - 10.20" > Y-axis - 6.4"	1	Surftest SJ-401 > Measuring Range : 800µm > Resolutiion: 0.000125µm (at 8µm range)
3	Granite Surface Plate - 24" X 36"	3	Granite Surface Plate - 24" X 19"
2	Tesa hite - 24" Digital Height Gauge	3	Mitutoyo 18" Digital Height Gauge
1	DMG Eco 210 Microset, Tool Presetter	1	Instrumatic A.S.T.M. Hardness Tester
1	DMG-MORI, Tool Presetter > VIO 20/50 Linear		

Also: OD & ID digital micrometer, bore gauges, depth gauges, pin gauges, thread gauges and gauge blocks, etc..