Remington MEDICAL

TAKE DESIGN FROM **DIGITAL** TO **PHYSICAL** WITH REMINGTON

Our rapid prototyping and precision CNC machining services ensure that your designs and ideas will be actualized in the real world in just a few days.

Electronic Discharge Machining (EDM)

Electronic Discharge Machining uses a series of rapidly recurring current discharges between two electrodes in a dielectric liquid to remove material from the work piece. This method beats conventional cutting methods with its precise machining of shapes and small parts while minimizing the risk of damage to the workpiece by preventing direct contact between the cutting tool and the workpiece.

CNC MILLING

CNC Milling is used to create complex 3D shapes or to apply a machined surface or features to parts made from both plastics and metals. The advantage of multi-axis milling machines makes CNC milling processes versatile, as well as accurate and repeatable, for creating a variety of part features made up of complex geometries.

SWISS SCREW MACHINING

Swiss Screw Machining improves repeatability and quality of production components by leveraging a bar stock feeder, guide bushing, and second spindle. This method allows for increased productivity which translates to a lower cost per piece, less time to fabricate and set-up, a decreased tool change time, lower production times and a reduced long-term cost per part.

WELDING & SURFACE GRINDING

The combination of Welding and Surface Grinding allows the material to be welded to the tool and then surface ground to produce a smooth finish. This method is ideal when using dissimilar metals or heatsensitive assemblies as well as when looking to create an aesthetically pleasing piece.

CATEGORY	QTY	MFR	MODEL #	DESCRIPTION	KEY FEATURES
CNC Milling Machining	2	Makino	S56	3 Axis Vertical Computer Numerical Control (CNC) Machining Center	Travel Path (X/Y/Z): 35.4″/19.7″/19.7″; Rapid Traverse (X,Y,Z): 1,574 IPM; Max Spindle Speed: 20,000 RPM; Automatic Tool Changer Positions: 20; Table Size: 39.4″ X 19.7″
	1	HAAS	VF2	3 Axis Computer Numerical Control (CNC) Spindle Milling Machine	Travel Path (X/Y/Z): 762mm X 406mm X 508mm; Usable Table Size: 368mm X 914mm
Manual Milling Machining	1	Vectrax	GS16V	3 Axis Computer Numerical Manual Milling Machine	Longitudinal Travel: 32″; Cross Travel: 12″; Knee Travel: 16″; Spindle Speed Range: 70-4200 RPM; Table Size: 49″ X 9″
EDM	1	Mitsubishi	EA8	3 Axis Computer Numerical Control (CNC) Sinker Electrical Discharge Machine (EDM)	Travel Path (X/Y/Z): 11.81″ X 9.84″ X 9.84″; Table Size: 19.69″ X 13.78″; Max Workpiece Weight: 1214lbs; Work Tank Internal Dia (W X D X H): 30.31″ X 19.69″ X 9.84″
	1	Mitsubishi	RA90	3 Axis Computer Numerical Control (CNC) Wire Electrical Discharge Machine (EDM)	Travel Path (U/V): ± 32mm; Travel Path (X/Y/Z): 320mm X 250mm X 165mm; Taper: 15° / 100mm; Max Workpiece Weight: 350kg; Table Dia (W X D): 572mm X 478mm
	1	Intermark	CM800	Electrical Discharge Machine (EDM) Hole Popper	Electrode Range: 0.012″-0.118″; Max Electrode L: 16″; Travel path (X/Y/Z): 11.8″/7.9″/13.7″; W Axis Travel (Backslide): 7.9″; Table Size: 23.6″ X 11.6″
Screw Machining	1	Star	SR-20J	7 Axis Computer Numerical Control (CNC) Swiss-Type Automatic Lathe (Type C)	24 tools; Max Machining Dia: 20mm; Max Headstock Stroke: 205mm; Rapid Feed Rate: 35m/min; Main Spindle Speed: Max 10,000 RPM; Iemca Ideal 325 Automatic Bar Feeder
	1	Star	SR-20R III	7 Axis Computer Numerical Control (CNC) Swiss-Type Automatic Lathe	24 tools; Max Machining Dia: 20mm; Max Headstock Stroke: 205mm; Rapid Feed Rate: 35m/min; Main Spindle Speed: Max 10,000 RPM; Iemca Genius 120 Automatic Bar Feeder
	1	Star	SB-16	6 Axis Computer Numerical Control (CNC) Swiss-Type Automatic Lathe	16 tools; Max Machining Dia: 16mm; Headstock Stroke: 205mm; Rapid Feed Rate: 18000mm/min; Main Spindle Speed: Max 10,000 RPM; LNS Tryton 112 Automatic Bar Feeder
Lathe	1	Enco	111-3115	Bed Bench Lathe	RPM Range: 65-2000; Swing Over Bed: 13″; Distance Between Centers: 40″
Grinding	1	Mitsui	MSG-818HMD	Automatic Precision Surface Grinder	Grinding Wheel: 8″ Dia, ¾″ W; Grinding: L: 18″, W: 9″; Table Dimensions: L: 19″, W: 8″
	1	Chevalier II	FSG-612	Manual Surface Grinder	Table Travel: 13″ X 6¾″; Max Distance (Table To Spindle): 18″; Max Grinding L: 12″; Max Grinding W: 6″; Grinding Wheel: 8″ x ½″; Working Surface: 5¾″ X 12″″
	1	Gromax	GU2	Universal Cutter Grinder	Taper Angle: 0°~180°; Relief Angle: 0°~45°; Negative Angle: 0°~25°; Grinding Spindle: 6000 RPM; Cup Grinding Wheel: 4″ x 2″; Max Grinding Dia: 1″
	1	Delta	23-645	Bench Grinder	Wheel Dia: 6″
	1	Baldor	8107WD	Industrial Grinder	Wheel Dia: 8″; Wheel W: 1″
Welding	1	Weldlogic	PA 10-100	Precision Pulsed Arc Welding System	Dual Range From 0.1-9.99 Amperes & 1.0-99.9 Amperes; Pulse Range: 0-2000 Hz
Miscellaneous	1	IPSCO	PCO-2	Pin Cut Off Machine	CPTY: approx. 2″″-9″″ Pin L; Cuts From .032-1.00 In Dia & From 2.5″ To 20″ In L
	1	Kalamazoo	2FSM	Belt Sanding Machine	Belt Orientation: Horiz./Vert.; Belt Speed: 4500ft/min
	1	Ryobi	DP101	10" Bench Top Drill Press	Chuck: ½″; No Load Speed: 570-3050 RPM
	1	Roll-In Saw	EF1459	Vertical Band Saw	CPTY Under Guides: 14½″; Throat: 8¾″; Blade Travel: 9″; 18½″ X 30″ Precision Ground Table
	1	Gesswein	Ultramax DF	Ultrasonic Polisher	Frequency Range: 20.0-30.0kHz; Amplitude (Stroke): 4-40 Microns