

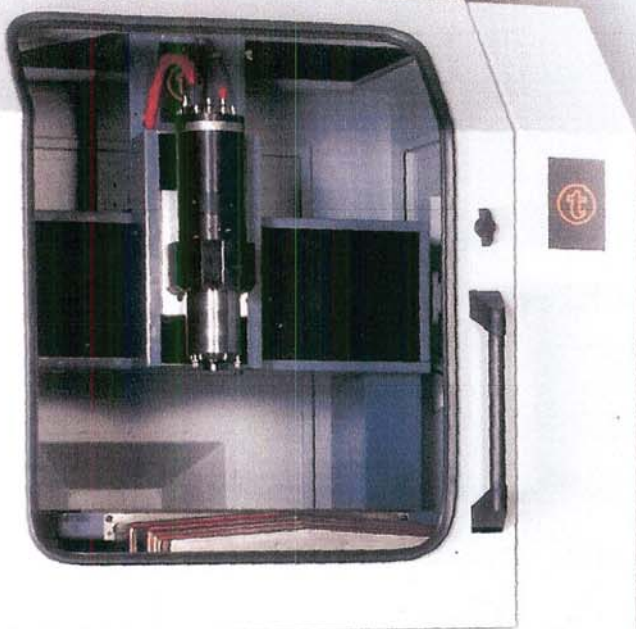


*Compact
Affordable
High Precision*



Applications:

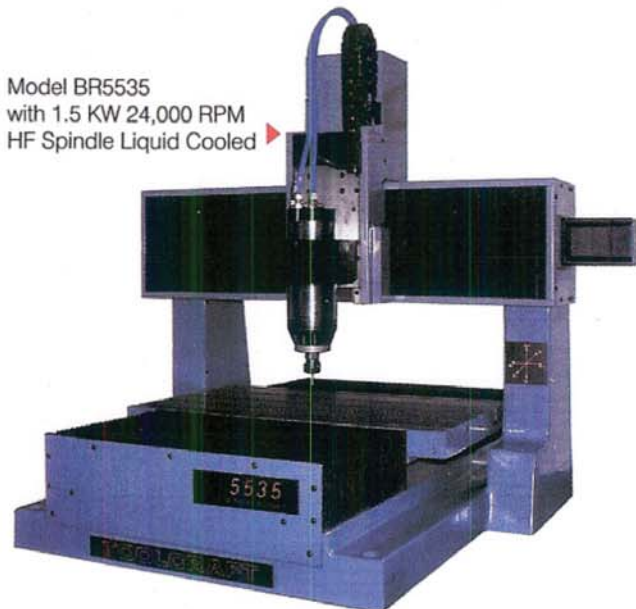
- Precision Aerospace Components
- Automobile Parts
- Medical Components
- Small Moulds and Dies
- Copper and Graphite Electrodes
- Reliefs, Coining Dies and Medallions
- Embossing and Hot Foil Stamps
- Rotary Number Punches
- Control Panels
- Rubber Stereos
- Bottle Moulds
- Tablet Punches
- Watch Cases
- Shoe Sole Machining
- Jewellery Industry
- PCB Drilling
- Part Numbers / Logo Engraving on Industrial Components



Upto **4 NP** Series Axis



◀ Model BR3525
Optional HF Spindle



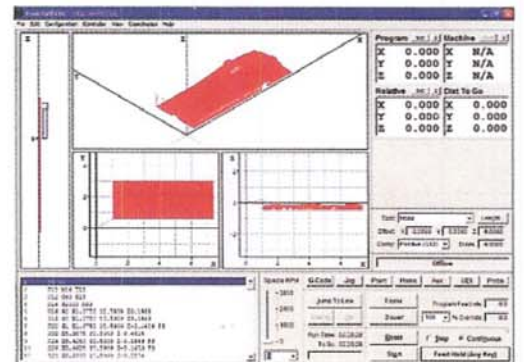
Model BR5535
with 1.5 KW 24,000 RPM
HF Spindle Liquid Cooled ▶



◀ Model BR5535
with 1.0 KW 24,000 RPM
HF Spindle, Fan Cooled
and Work Station

CNC Milling & Engraving Machines

NP Series Machines are general purpose 2D/3D Milling & Engraving Machines. These machines are supplied with C5 Class Ball Screws and LM Guideways. All Axis with Digital AC Servo Motors and Drives. The machine structures are of Cast Iron and designed for Industrial grade Engraving on non-metals as well as steel. PC based CNC Controller Software with 2.5D CAM is included as standard supply. Upto 2.0 KW High Frequency Spindles with optional Tool Changers are supplied with NP Series Machines.



Toolcraft PC Based CNC Controller with 2.5D CAM. Import .dxf files and the software generates the industry standard G/M Code program.

DESCRIPTION	Units	BR3525 NP	BR5535 NP
Type		Gantry Construction	
Table Clamping Area	mm	350 x 250	550 x 350
XYZ Movement	mm	300 x 200 x 50	450 x 300 x 80
Guideways		All axis Linear Motion Guideways	
Ball Screws		C5 Class	
Gate Height	mm	90	170
Feed Rate	m/min	0 - 5	0 - 5
Axes Motors		AC Servo on all axes	
Axes Motor Torque	Nm	0.6	1.2
Max. Job Weight	Kgs	10	50
Positioning Accuracy	Microns	0.02	0.02
Repeatability	Microns	0.01	0.01
Spindle Power	KW	0.2	1.0
Spindle Speed	RPM	3000 - 12000	3000 - 18000
Spindle Drive Type		PWM DC	AC Vector Drive
CNC Controller		PC Based	PC Based
Tool Changer-optional		4 tools Linear	6 Tools Linear
Machine Weight	Kgs	150	450

Upto **5** Axis **EX** Series



◀ Model BR5535 EX with Rotary Axis
4.0 KW 24,000 RPM,
Liquid Cooled Spindle



◀ Model BR5535 EX with Enclosure



◀ Model BR5535 EX with 3.0 KW 50,000 RPM
Liquid Cooled Spindle and 8 Station Auto Tool Changer

CNC Mini-Mills

Machine small parts economically!

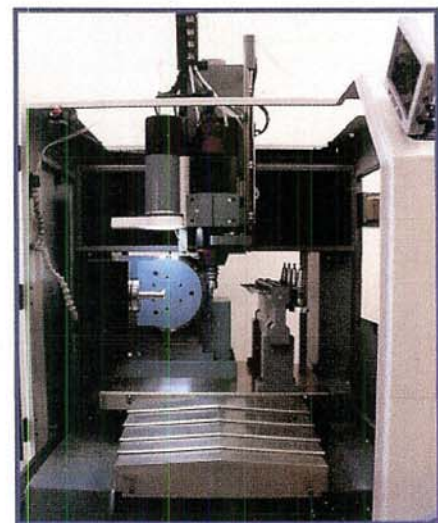
Configure it as an Electrode Miller or use it for cutting high precision Aerospace or Automobile components upto Five Axis.

Rigid. Stable. Reliable. Toolcraft CNC Mini Mill Centers are designed to step up your shop floor productivity. Machine

Structures are made from close grained Cast Iron, duly stress relieved and assembled with high precision LM

guideways and C3 class ground Ball Screws. Supplied with Siemens CNC Controllers with AC Servo Motors and

Drives. High Frequency Spindle with Vector Control, Liquid Cooled, upto 50,000 RPM.



▲ 5 Axis Ring Engraving / Machining Center

DESCRIPTION	Units	BR5535 EX	BR8060 EX
Type		Gantry Construction	
Table Clamping Area	mm	470 x 375	800 x 600
XYZ Movement	mm	450 x 300 x 100	800 x 600 x 200
Guideways		Precision Linear Motion Guideways	
Ball Screws		C3 Class Ground on all axes	
Gate Height	mm	200	250
Feed Rate	m/min	0 - 10	0 - 10
Axis Motors		AC Servo on all axes with Abs Encoders	
Axis Motor Torque	Nm	3	4.5
Max. Job Weight	Kgs	50	100
Positioning Accuracy	Microns	0.005	0.005
Repeatability	Microns	0.003	0.003
Spindle Power	KW	1.0	4.0
Spindle Speed	RPM	3000 - 24000 HF	3000 - 24000 HF
Spindle Drive Type		Vector	Vector
CNC Controller		Siemens	Siemens
Tool Changer-optional		8 Tools	10 Tools
Machine Weight	Kgs	900	1600



▲ Mini-Mill with 10 Tool
Linear ATC, 1.0 KW, 24,000 RPM
Liquid Cooled Spindle
with Siemens CNC Control

Optional Accessories :

- High Frequency Spindles upto 60,000 Rpm
- Single Lip Cutter Grinder
- Work Station
- Engraving Vice
- Auxiliary Table
- Rotary 4th and 5th Axis
- Linear or Carousel Type Automatic Tool Changer
- ISO 20/30 Adapters for Tool Changers
- Vacuum Clamping for Cutouts and Signs
- Edge Probe
- Tool Length Measurement
- Tool Breakage Detection
- Laser Probe for non-contact Scanning of Work Piece
- Micro Toolings
- Dust Suction System for Graphite Machining
- Water Chiller for Spindle



▲ toolcraft@IMTS, Chicago, USA



Audit 
CNC retrofit solutions

Newburgh