

Smart Mill5

Built with Expertise of Dynamic Accuracy and Rigidity





SMART MILLS GLASS ENGRAVING MACHINE



Perfect for streamlined

machining of small intricate shaped parts and jobs requiring high accuracy and high efficiency.

- · Compactly constructed with small footprint.
- Highly rigid machine structure in combination with massive cast iron machine stand.
- 30,000RPM built-in type spindle assures low heat build-up and maximum stability.
- · Choice of ER16, ER20 and ISO spindle tapers.
- · Servo motor drive on X, Y and Z axes.
- Linear guide ways on X, Y and Z axes, featuring reduced stick-slip and improved positioning accuracy.
- Rapid traverse rates of 30 or 45m/min on X, Y and Z axes.
- Choice of fully enclosure with sheet metal or aluminium frame.







★ Casting Stand



S5 AIDS RAPID MACHINING FOR SMALL PARTS

Designed for Efficient Drilling, Milling and Engraving





Machine Frame is Available by Request



S5+Sheet Metal Enclosure (Aluminium Frame is Available)

Now, you can get the right CNC

mill with outstanding features for precise and efficient operation year after year. Just consider Rong Fu Smart Mills. They are quality built throughout with many outstanding features, such as Windows based conversational CNC control, 8,000 rpm spindle speed and linear ways on three axes that allows for high speed machining and lots more.

Optimal Structure Design Linear

Ways on Three Axes

- The bed and column are manufactured from high quality Meehanite cast iron and stress relieved for a lifetime of accuracy.
- Box-type column construction, combined with scientific rib reinforcement for outstanding rigidity as well as excellent ability to dampen vibration, and reduce deflection and thermal displacement.
- Precision linear motion guides are used on X, Y, Z-axes, providing 10~15 M/min. of rapid traverse rates and 10 M/min. of cutting feed rates on X, Y, Z-axes.







A Bench Top

★ S5+Aluminium Frame











Automatic Tool Changer (optional)

- The carousel-type magazine allows for loading with 8 tools.
- Tool shank is BT30 or BT40.
- Tool change can be quickly accomplished in 8 seconds (tool to tool).

Applications

Perfect for mass production of PC boards, small workpieces, SOHO spare parts, molds development, school education, personal casual use for spare sampling and many other usages, etc.

★ The S5 Smart Mills are Especially Ideal for Machining Small Precision Parts and Molds.

SMART MILLS

Engineered Specifically for Precision Parts and Molds Machining



IN THE PICTURE SHOWN:

- Full enclosure splash guard
- · With automatic tool changer
- CE version
- · Aluminium frame is available

The Rong Fu S8 Smart Mills

are compact machines that meet the demands for drilling, milling and engraving of small parts and molds. The S8 possesses high thermal and mechanical stability to ensure a lifetime of

accuracy. It is equipped with an 8-tool carousel-type ATC for saving tool change time. For increased efficiency and accuracy, put Rong Fu S8 Smart Mills to work in your plant or shop.

☆ Machine Frame is

Available By Request

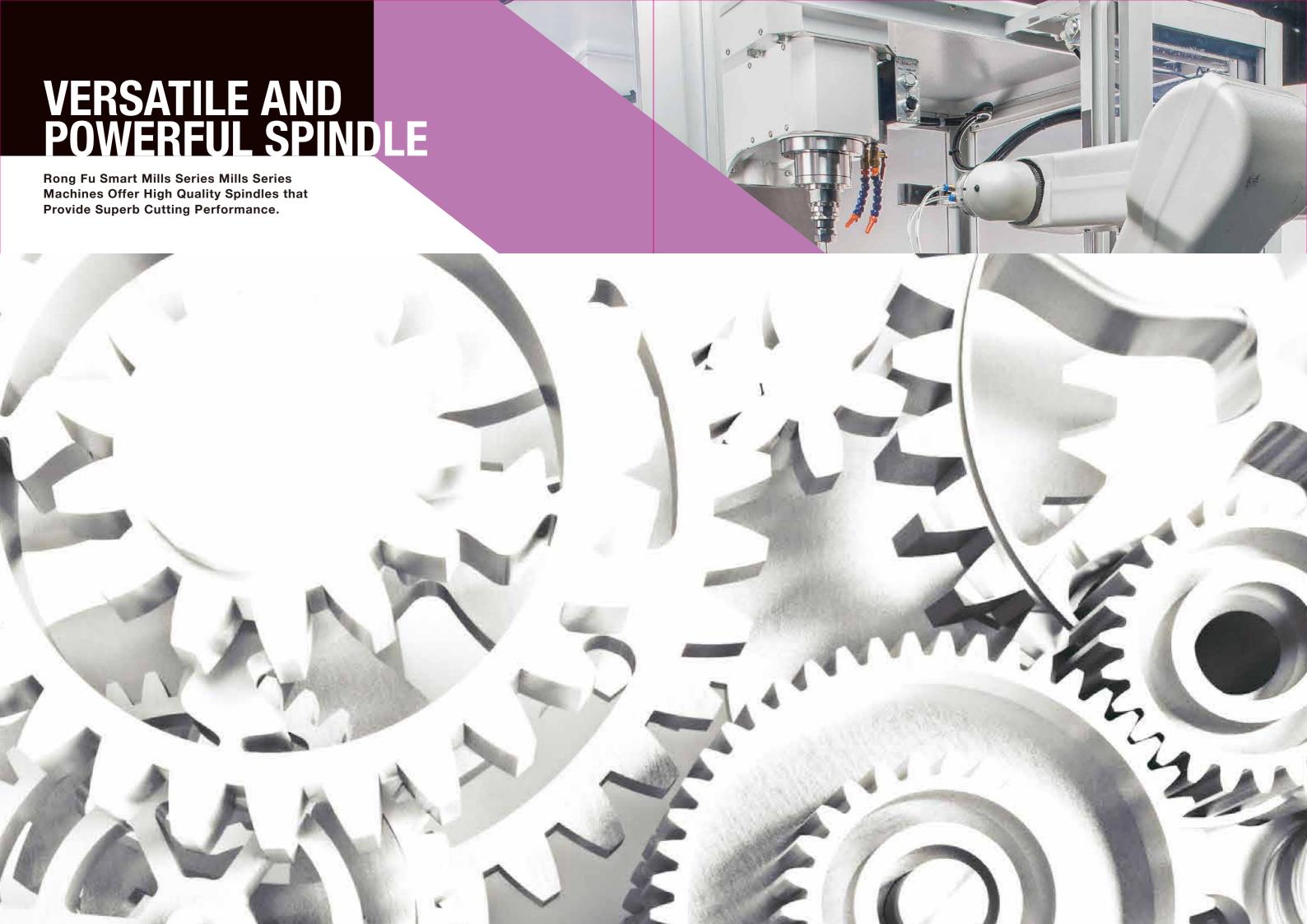
Optimal Structure Design Assures Maximum Rigidity and Stability with **Linear Ways on Three Axes**

- are manufactured from high quality Meehanite
- Box-type column construction, for outstanding rigidity as well as excellent ability to dampen vibration, and reduce deflection and thermal displacement.

 Precision linear motion guides are used on X, Y, Z-axes, providing 10~15 M/min. of rapid traverse rates and 10
- M/min. of cutting feed rates on X, Y, Z-axes.







CHOICE OF CONTROLLERS

Compatible with All Major CNC Controllers Shop Mill Assorted CNC Control

- SHOP MILL ASSORTED CNC CONTROL:

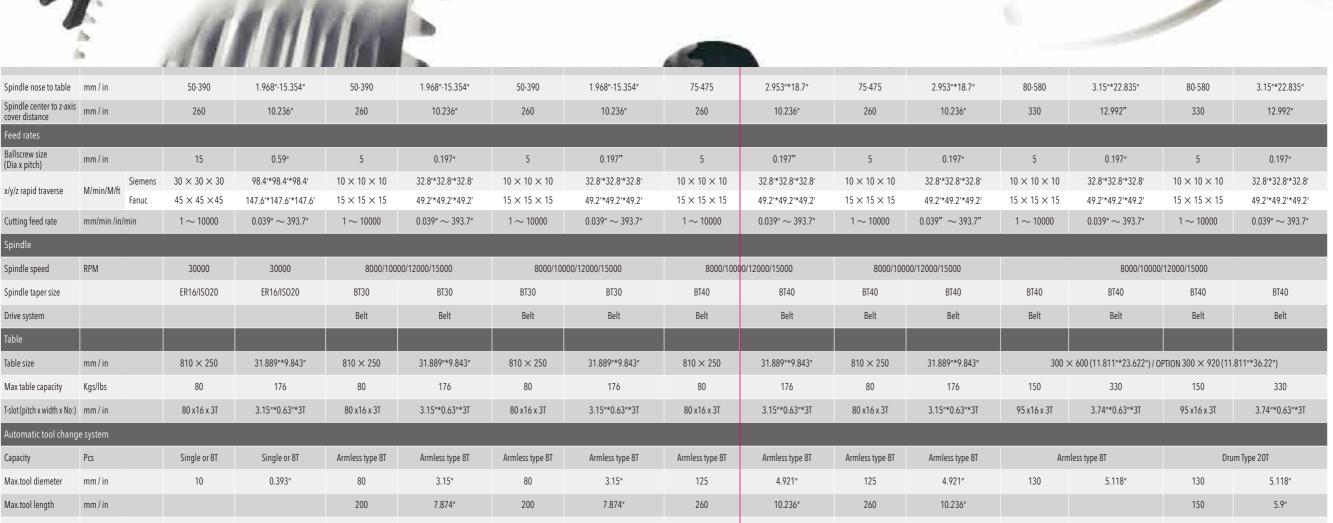
 Windows based industrial conversational CNC control.
- 15" color LCD monitor.
- · Automatic mill round or rectangular pockets.
- Graphics 2D & 3D
- · Controller beyond FANUC, SIEMENS, SYNTEC system, we can provide machine frame for self-wiring.











Max.tool weight	Kgs / Ibs			3	6.6	3	6.6	7	15.4	7	15.4	8	17.6	8	17.6	
Motor																
Spindle motor	Kw / Hp	2.2	2.93	1.5	2	1.5	2	2.2	3	2.2	3	3.7	5	3.7	5	
X/Y/Z Axis motor	Kw / Hp	$0.75 \times 0.75 \times 0.75$	1*1*1	$0.75 \times 0.75 \times 0.75$	1*1*1	0.75×0.75×0.75	1*1*1	$0.75 \times 0.75 \times 0.75$	1*1*1	$0.75 \times 0.75 \times 0.75$	1*1*1		$0.75 \times 0.75 \times 1.8 / 1^*1^*2.4$ (For Fanuc)			
Coolant pump	Kw / Hp	0.09	1/8	0.09	1/8	0.09	1/8	0.09	1/8	0.09	1/8	0.09	1/8	0.09	1/8	
Other																
Coolant water	L/G	32	8	32	8	32	8	32	8	32	8	80	20	80	20	
Air supply	Kg/cm²/lb/in²	5.5	78.21	5.5	78.21	5.5	78.21	5.5	78.21	5.5	78.21	5.5	78.21	5.5	78.21	
Power requirement	KVA	8	8	12	12	12	12	12	12	12	12	15	15	15	15	
Machine dimension	Machine dimension															

1150

2530

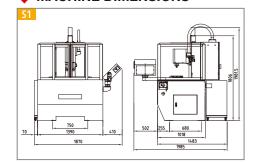
WACHINE DIMENSIONS

Kg / lbs

Machine dimension

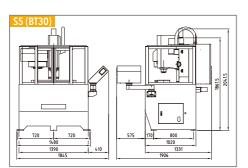
Machine weight

 $(L \times W \times H)$



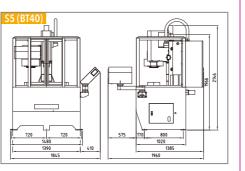
1335

2937



1060

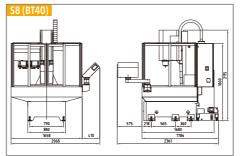
2332



3080

1985 x 1870 x 1982 78.15"*73.622"*78.031" 1906*1845* 2042 75.039"*72.637"*80.393" 1906 x 1845 x 1982 75.039"*72.637"*78.031" 1960 x 1845 x 2300 77.165"*72.637"*90.551" 1960 x 1845 x 2300 77.165"*72.637"*90.551"

1400



1490

- ER16 spindle

• Spindle motor

Auto Iubricator

- 220V, 3 phase
- With enclosure (Sheet metal / Aluminum frame)
- Coolant system (8G)
- Limit switch for 3 axes
- MPG
- Controller (Fanuc / Siemens / Syntec)
- Oil cooler

Optional Equipment

- CE version
- Manual air gun
- LED work light
- Oil skimmer (For 8G / 15G only)
- Coolant system (15G)
- ATC (Auto Tool Changer)
- ER20, ISO20

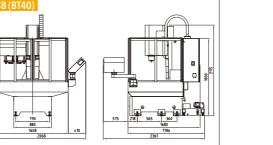
S5/S8 Standard Equipment

- Machine bench top, tray and stand
- PMI linear guide way, ball screws
- AC servo motors (X, Y, Z Spindle)
- BT-30 / BT-40 taper
- 220V, 3 phase • S5/S8 - 8000 RPM
- Coolant system (8G)
- Rigid tapping
- (Alu. M3~M8 / Steel M4~M8)
- Alarm lamp
- Chip bucket

Options

- Armless tool magazine (8 Tools)
- Auto oiler
- Limit switch for 3 axis
- CE version
- Full enclosure
- LED work light Manual air gun
- Coolant system (15G)
- Oil Skimmer (For 8G/15G only)
- NR12 door interlock (For Brazil only)
- 4th Axis rotary table/Air Chuck (Not for 808D)
- Screw type or link type chip conveyor
- Transformer
- Door lock
- 10000/12000/15000 rpm spindle (belt type) Robot arm
- Drum type ATC (20 Tocls)
- 900 x 300 mm table

*Machine Frame is Available By Request.



3278

2361 x 2068 x

1840

92.952"*81.417"*90.551"

2361 x 2068 x

2300

2040

*Specifications are Subject to Change Without Notice.

92.952"*81.417"*90.551"