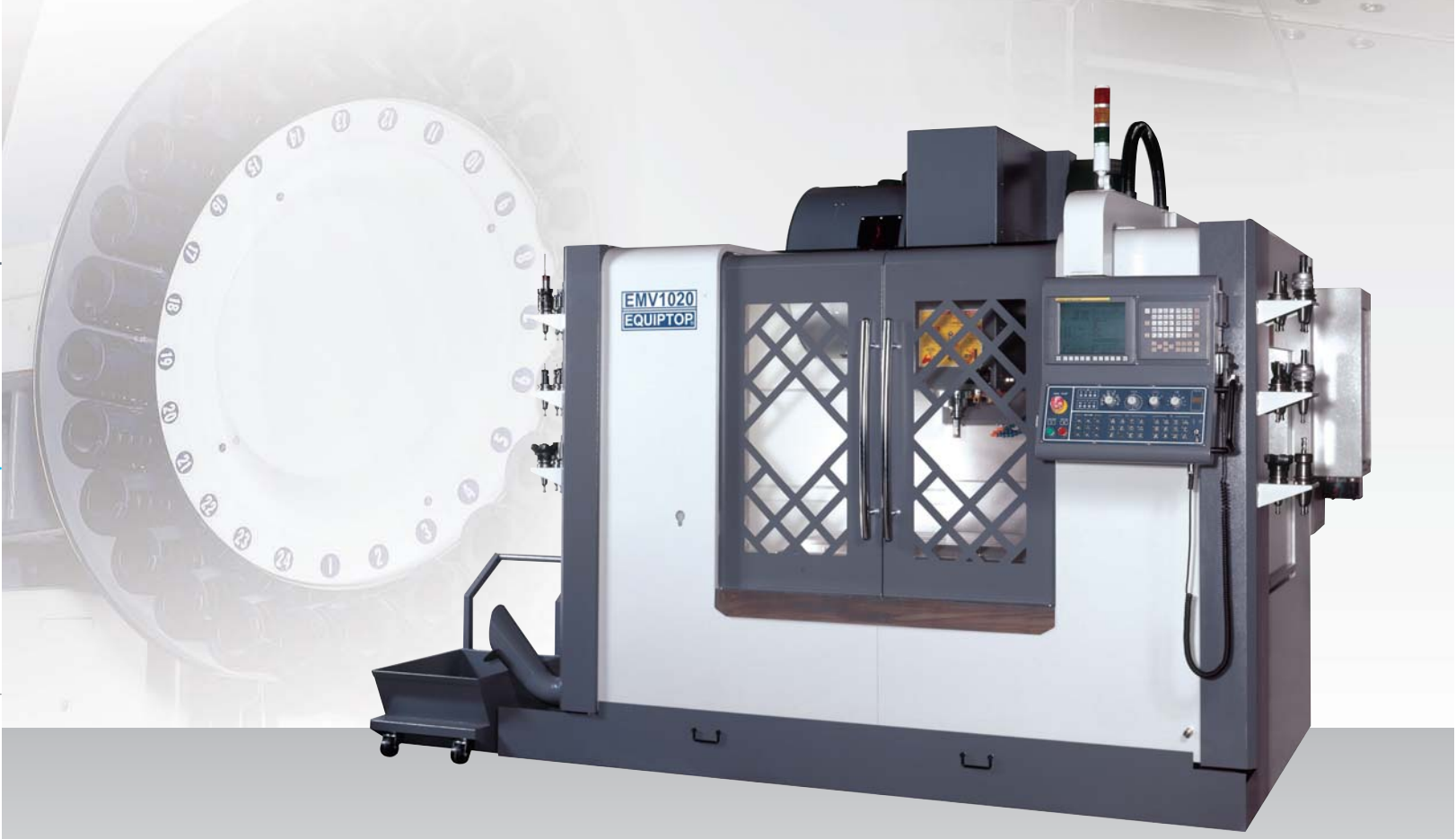


www.equiptop.com.tw



EMV-860 / 1020 SERIES CNC Vertical Machining Center



ISO-9001



► CHOOSE EQUIPTOP · CHOOSE WISELY

EMV-860 / 1020



Excellent Features Provide Value



The innovative cam drive mechanism results in the unique ATC. The bi-directional tool selection is achieved by PLC software programming. The fast ATC saves non-cutting time. The cam driven tool magazine ensures rotation accuracy, and smooth motion while full tools loading.(Arm type only)

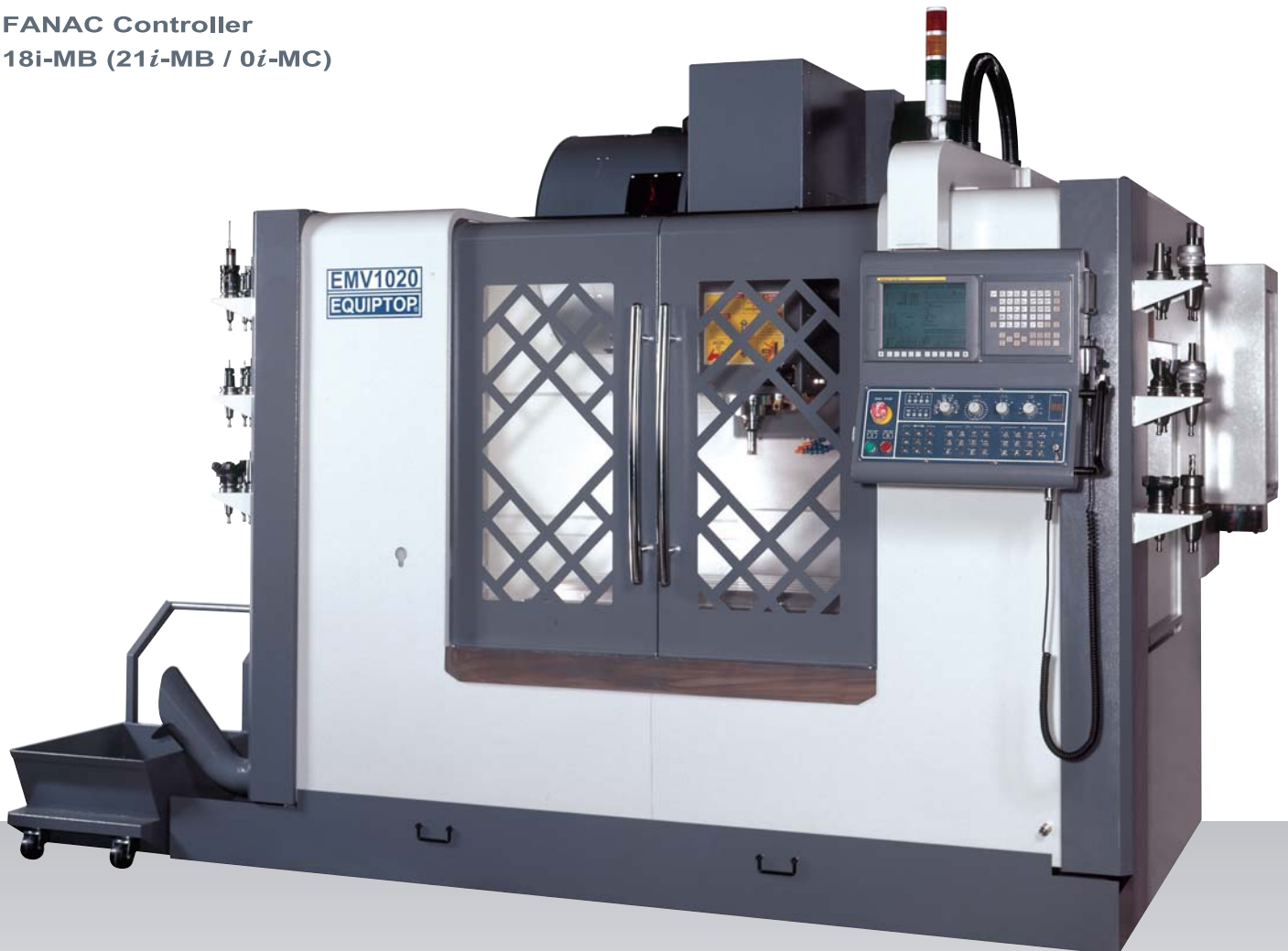


The machine is equipped with an axis collision protection device which can absorb and reduce the collision force.

CNC Vertical Machining Center



FANAC Controller
18i-MB (21i-MB / 0i-MC)



HIGHSPEED · STABLE · CORRECT · RELIABLE

- Pretension ballscrew for X, Y, Z, axis, ensure high positioning accuracy and durability.
- Throughtfully detail to suit easy access to assist precision operation, main & easy service.

EMV-860 / 1020



Excellent Features Provide Value



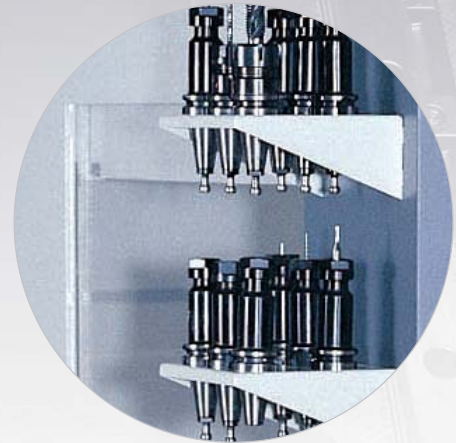
Armless type ATC tools: Simplified magazine construction, safety, easy maintenance and trouble-free operation.



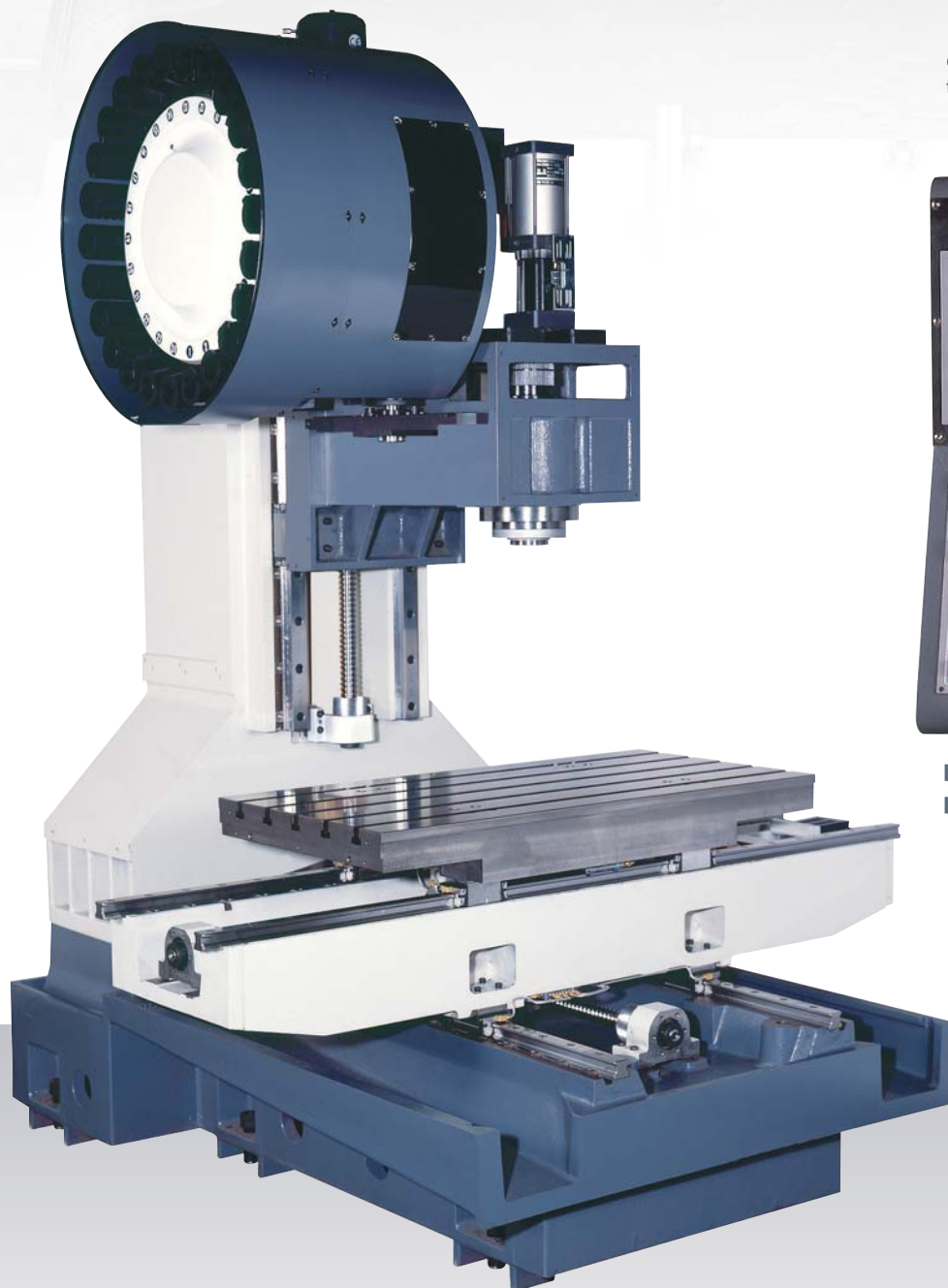
Arm type ATC 24 tools: The fast, simple and long-life automatic tool changer provide stable and reliable tool change. (optional)

CNC Vertical Machining Center

**HIGH RIGIDITY,
HIGH ACCURACY CONSTRUCTION
DESIGN**

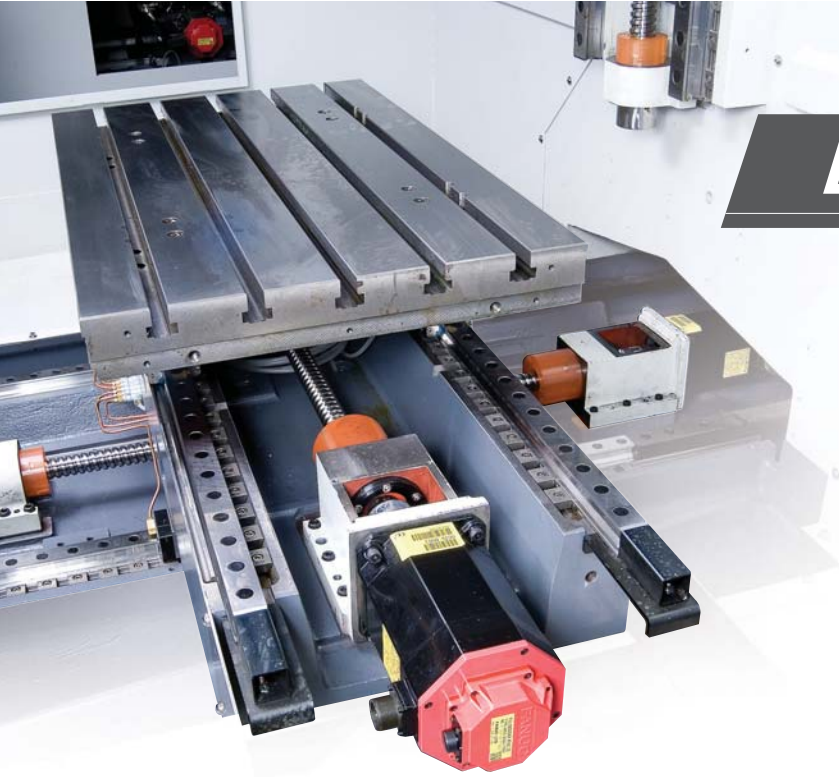


Convenient & simple and easy to use
tool stand including tool-locked device.



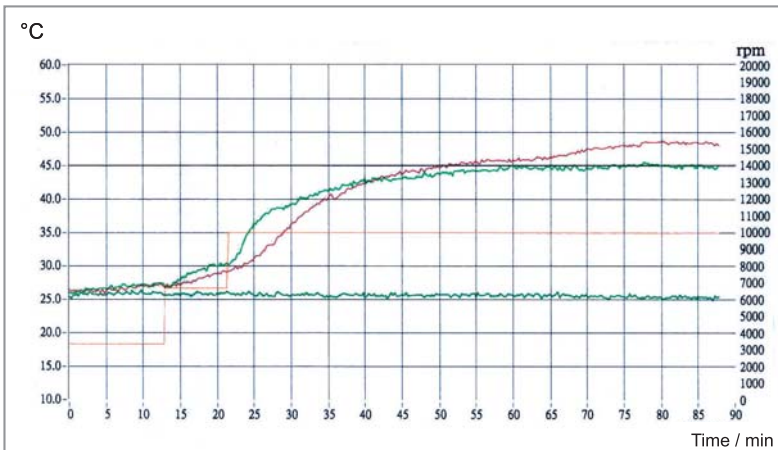
**MITSUBISHI Controller
M70A (64-SM / 65-SM)**

EMV-860 / 1020



The full travel stroke is inspected and compensated by Laser measurement. The motion accuracy can be ensured.

Spindle Temperature Rise Testing



Maximum Flexibility for Constructing Your Own Automatic Production Lines.

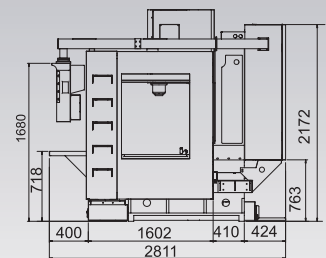
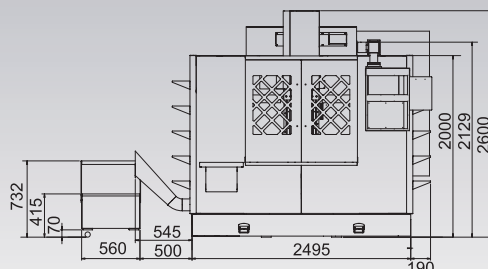
Equipped with the 4th axis table, the machine can execute the multi dimensional cutting to reduce loading / unloading time of the workpiece. The indexing capability is especially suitable for screw cutting or any kind of complicated machining.(optional)



Chips wash down removal mechanism for quick cleaning.

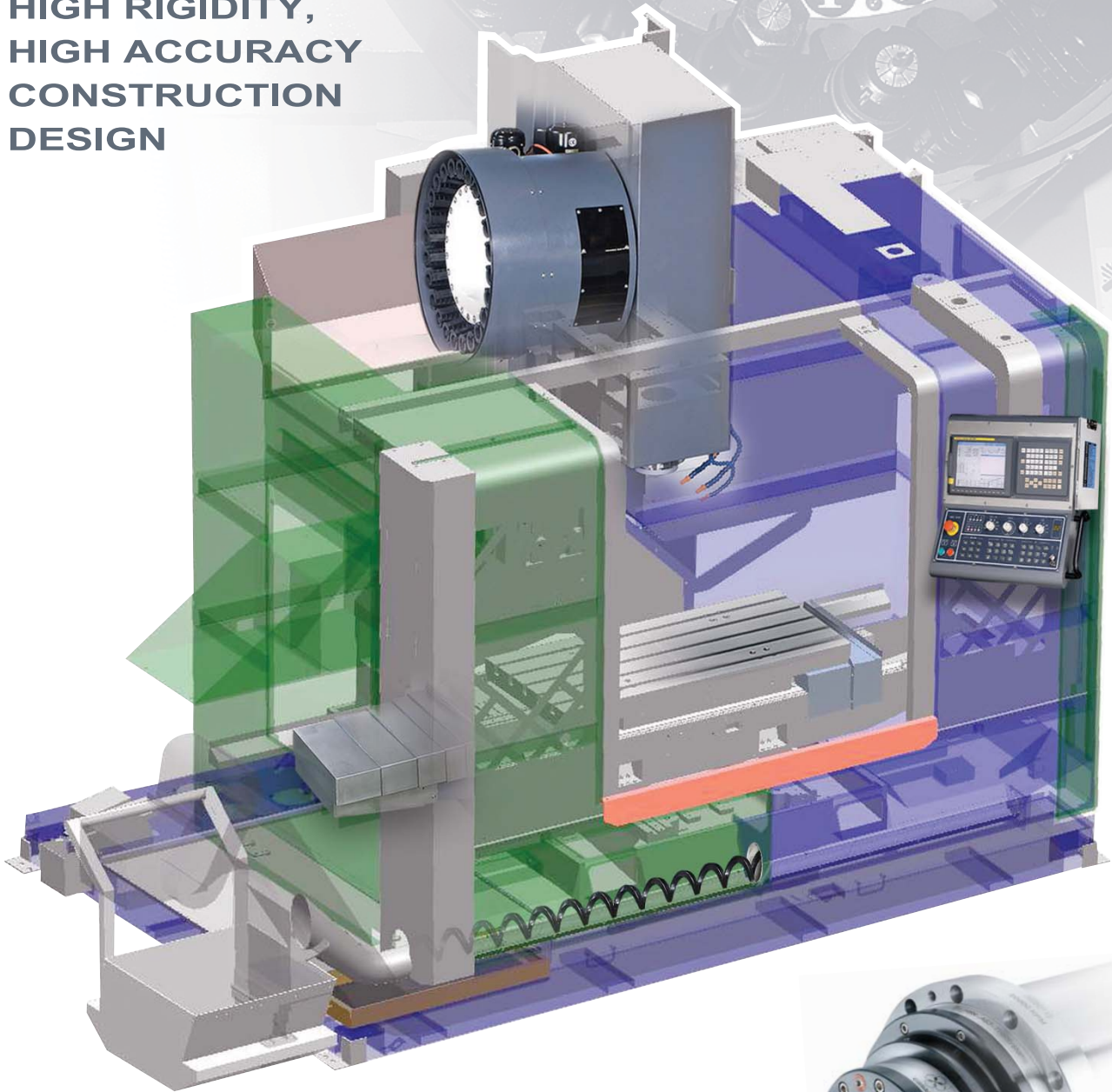


A simple but efficient removal mechanism can easily convey the chips outside of the machine.(optional)

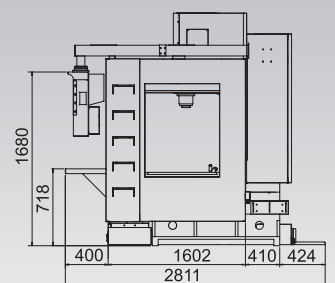
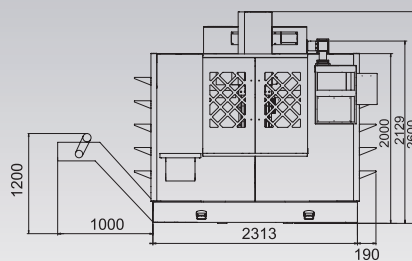
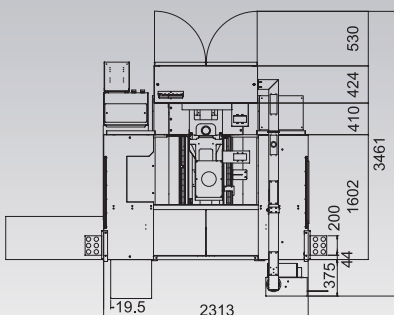


CNC Vertical Machining Center

HIGH RIGIDITY,
HIGH ACCURACY
CONSTRUCTION
DESIGN



Excellent Features
Provide Value



EMV-860 / 1020

SPECIFICATION

The manufacturer reserves the right to modify the design, specifications or mechanisms, to improve the performances, without prior notice.
All the specifications shown here are for reference only.

	Item	Unit	EMV-860	EMV-1020
Travel	Max. Travel For X Axis	mm	860	1020
	Max. Travel For Y Axis	mm	560	560
	Max. Travel For Z Axis	mm	600	600
	Spindle Nose To Table	mm	190 - 790	
Spindle	Spindle Speed	rpm	8000 ; 10000(optional) / 12000(optional)	
ATC System	Tool Q'ty	pcs	Armless type 16T / Arm type 24T (optional)	
	Max. Tool Diameter	mm	120	120
	Max. Tool Length	mm	300	300
	Max. Tool Weight	kg	6	6
	Tool Shank		BT40	BT40
Motor	Spindle Motor	kw	7.5 / 11kw (optional)	
	X / Y / Z Servo Motor	kw	2.0 / 2.0 / 3.5	
Table	Table Size	mm	910x560	1100x560
	Max. Table Capacity	kg	800	1000
	T-slot (Center x width x No.)	mm	100x18x5	100x18x5
Feed Rate	X Rapid travel	M/min	36 linear	
	Y Rapid travel	M/min	36 linear	
	Z Rapid travel	M/min	24 linear	
	Cutting feed rate	mm/min	1-10000	1-10000
Controller	Mitsubishi		64SM	64SM
Other	Machine Weight	kg	5800	6300
	Power Requirement	KVA	20	20
Coolant Water (L)	Air requirement	kg/cm ²	6	6

Standard Accessories

- Fully enclosed guard
- Chip auger
- Spindle air seal system
- Auto lubrication system
- Leveling block & screws
- Tool box
- Work light
- Alarm light
- M30 auto power off
- Portable air gun
- Portable flush gun
- Mechanical / Electrical operation manual
- Rigid tapping
- Electric box heat exchanger
- Mechanical oil & coolant separator
- Armless type ATC system (16T)
- 3 axes telescopic covers
- RS-232 transmission
- Central guided counterweight mechanism

Optional Accessories

- Spindle programmable air blow
- Fanuc / Mitsubishi / Siemens controller
- Wash down system
- 4th rotary table
- Spindle 10000/12000/15000/18000 R.P.M. (BT-40)
- Spindle direct drive (I.D.D) transmission
- 3 axes Linear scale
- Spindle oil cooling system
- Tool probe system
- Auto tool length measure
- Oil demister
- Disc oil / coolant separator
- Arm type ATC system 24T
- Coolant through spindle (CTS)
- X/Y/Z axis roller type linear way
- Spindle ring splash
- Z axis with brake (without counterweight)

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