



CNC Tapping Machining Center

CNC Vertical Machining Center



2017 Taichung city the 16th excellent SMEs Golden hand award.



2017 The 14th National brand: Remarkable enterprise Yushan Award.



2017 Republic of China prominent enterprise management association, the 18th golden peak award: Top 10 remarkable innovative research and development.



2017 Republic of China prominent enterprise management association, the 18th golden peak award: Top 10 excellent business pioneer model.



ISO 9001: 2015



Machinery Directive Number 1674



IT'S VERY WELL MADE IN TAIWAN

EXCELLENT · FEATURES · PROVIDE · VALUE

EXCELLENT FEATURES PROVIDE VALUE

HIGH SPEED

STABLE

CORRECT

RELIABLE

- 1988 Established " EQUIPTOP MACHINERY CO., LTD" Made a speciality of developing high precision surface grinders.
- 1990 Developed ESG-618 & 818 ASD series, 3 axis fully automatic surface grinders. Used PC-CAD to upgrade mechanical design and development.
- 1992 Developed ESG-1228 & 1236 ASD series, 3 axis fully automatic surface grinders.
- 1993 Developed ESG-1632 & 1640 ASD series, 3 axis fully automatic surface grinders.
- 1995 Developed ESG-1020 & 1224 ASD series, 3 axis fully automatic surface grinders. Obtained CE-Mark certificate from AMTRI CE in England.
- 1997 Developed ESG-2448 to 2480, 3axis fully automatic, digital positioning ADX series, with a downfeed jog movement providing just 0.5 μm super microfeed for finer production finish.
Column type surface grinder, using high anti-wear, heavy duty preloaded, H class linear guideway.
- 1998 Awarded ISO 9002 Certification by DNV company of Netherlands.
- 1999 Invested in "NANJING EQUIPTOP PRECISION MACHINERY CO., LTD." as branch in China.
- 2000 Developed ESG-3260 to 32120, 3axis fully automatic, smart digital positioning ADX series.
Reived certified CE-MARK by DNV company.
- 2001 Awarded Certified ISO 9000 by Bell company.
Developed NC series, 3 axis fully automatic smart digital positioning grinders.
- 2002 Grand Opening of a new factory. The new facility is over 13,000m².
Invested 1.6 hundred million dollars in this new headquarters.
Successfully developed new complex grinders, moving EQUIPTOP into the high technology area.
Renamed the company as "EQUIPTOP HITECH CORP."
- 2003 Awarded publication 2000 ISO 9001 certification. Developed " ASD II " series, 3 axis, fully automatic digital positioning grinders. Developed " ACUMEM " super microfeed servo control and auto-wheel dressing & compensation system grinders.

- 2004 Established the branch in Wu Hsi-Shuai Hung Precision Machinery LTD. to expand China market.
Developed cantilever type ESG-6120~8300 ASD II series, 3 axis, fully automatic surface grinders.
- 2005 Obtained the prize of Taiwan Precision Product in manufacturing NC surface profile grinder.
- 2006 Developed ETM510APC tapping machine with auto pallet changer system & Double column grinding machine, table size 1500x3000~1500x5000 are available.
- 2008 Double column grinding machine, table size 1500x3000~1500x5000 are available.
- 2010 Upgrade ASD II series to TD type. PLC control & touch color screen.
- 2012 Double column type grinding machine, table size 1200x3000~1200x5000 are available.
Developed ESG-2448 to 24120, 3axis fully automatic TD type with touch color screen.
- 2013 Execute rotary & square constitute, hydrostatic spindle and guide rail program.
Presented EMV-600APC auto pallet change, and 800 x2000~5000mm, 1000x2000~5000 mm double column grinders.
- 2016 **Innovation patented invention:**
 1. Innovation surface grinding machine controller: **Patent No.:1546161**
 2. Innovation equal feeding speed control: **Patent No.:M454893**
 3. Innovation rotary & square constitute design: **Patent No.:1508818 & M454892**
 4. Innovation multi-sound alarm light structure: **Patent No.: M486838**
- 2017 Presented at TIMTOS, March 2017, 1224-TD Plus, EG-36 CNC and ERG-600CNC, with man-machine controller.
The operation and application showed In an Industrial 4.0 demonstration line.
Wining with honor: D&B TOP 1000 SMEs Elite Award
The 14th National brand: Remarkable enterprise Yushan Award.
Taichung city the 16th excellent SMEs Golden hand award.
Republic of China prominent enterprise management association, the 18th golden peak award:



- Top 10 excellent business pioneer model.
- Republic of China prominent enterprise management association, the 18th golden peak award:
- Top 10 remarkable innovative research and development

- 2018 Golden torch prize: TD, ADC get Research and Innovation Award.
Golden torch prize: TD, ADC have the honor to win best satisfaction from customer.

EQUIPTOP

Innovative quality, specially design, quality manufacture & speedy service reputation ensure you long term satisfaction.



National patents :

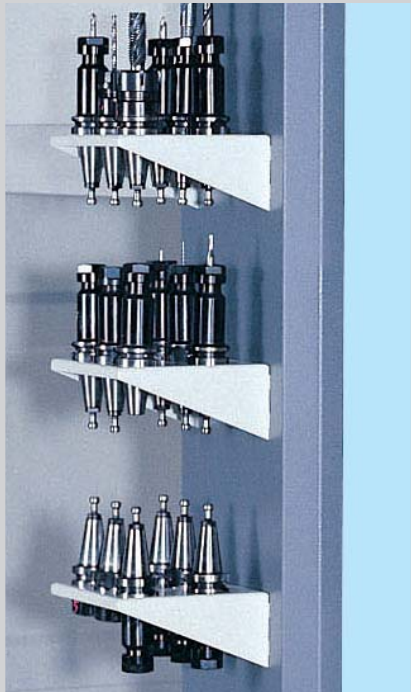
- Longitudinal straight movement mechanism of surface grinder.
- Timing belt straight drive system.
- Dual motors, positioning and feeding mechanism.
- Timing belt straight drive system for the table of surface grinder.
- Roughing and micro table speed control mechanism.
- Surface grinding table reverse construction.
- Belt drive mechanism for surface grinding table.
- Multiple formed grinder.

- Dust collector.
- Coolant and dust unit.
- NC & CNC multiple formed molds.
- Heats reduce system for motor fan construction.
- Synchronized machining works system.
- Dust collector turbine blade construction for surface grinder.
- The constructions improvement of dust & coolant system for surface grinder.

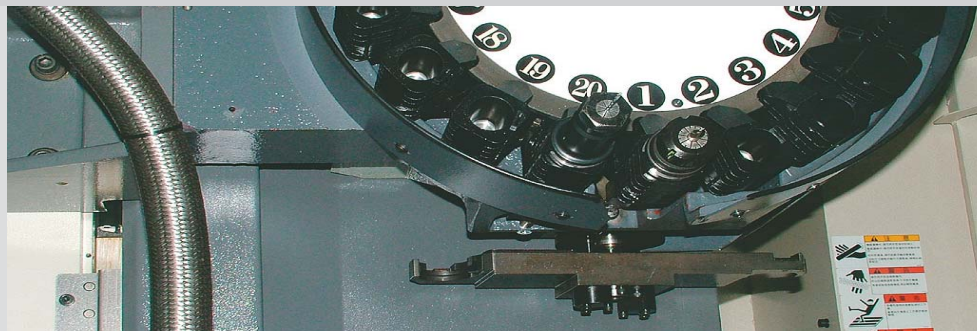
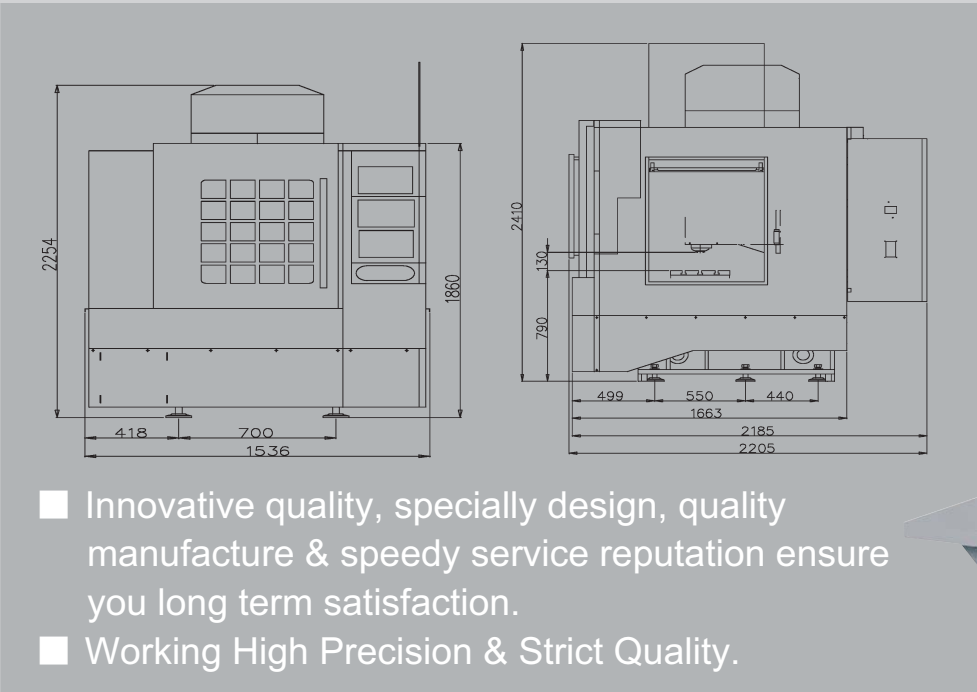
German patents :

- Safety handwheel system.

ETM-510



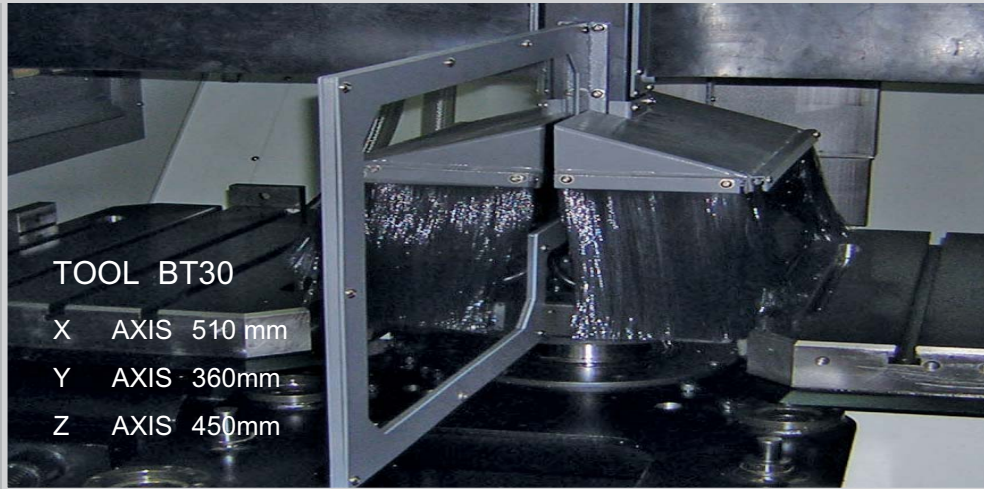
Convenient, simple & easy to use tool stand including tool-locked device.



Arm type ATC 20 tools:
The fast, simple and long-life automatic tool changer provide stable and reliable tool change.



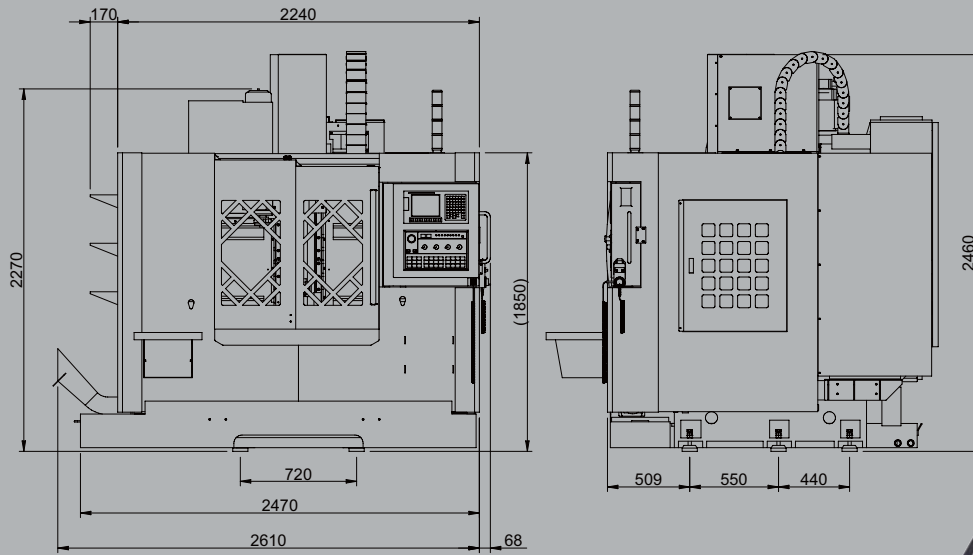
EMV-510APC



- Popular Innovative Pallet Change Efficient Process
- Working High Precision & Strict Quality



EMV-600

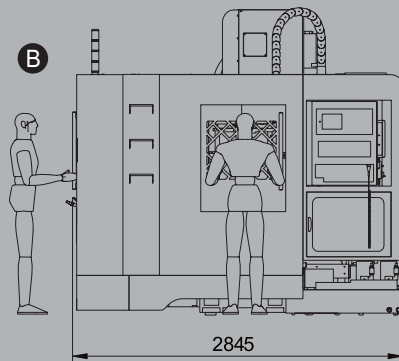
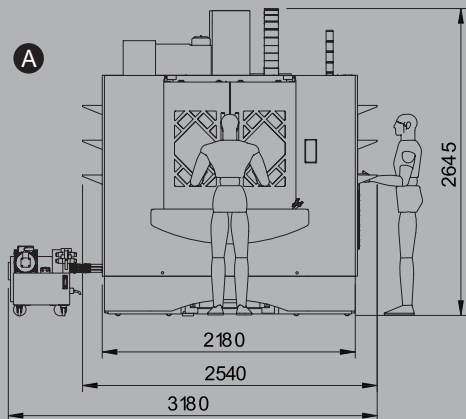


FANUC controller Oi-MD



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

EMV-600 APC



A B C EMV-600APC Floor space



Popular Innovative Pallet Change Efficient Process, Working High Precision & Strict Quality

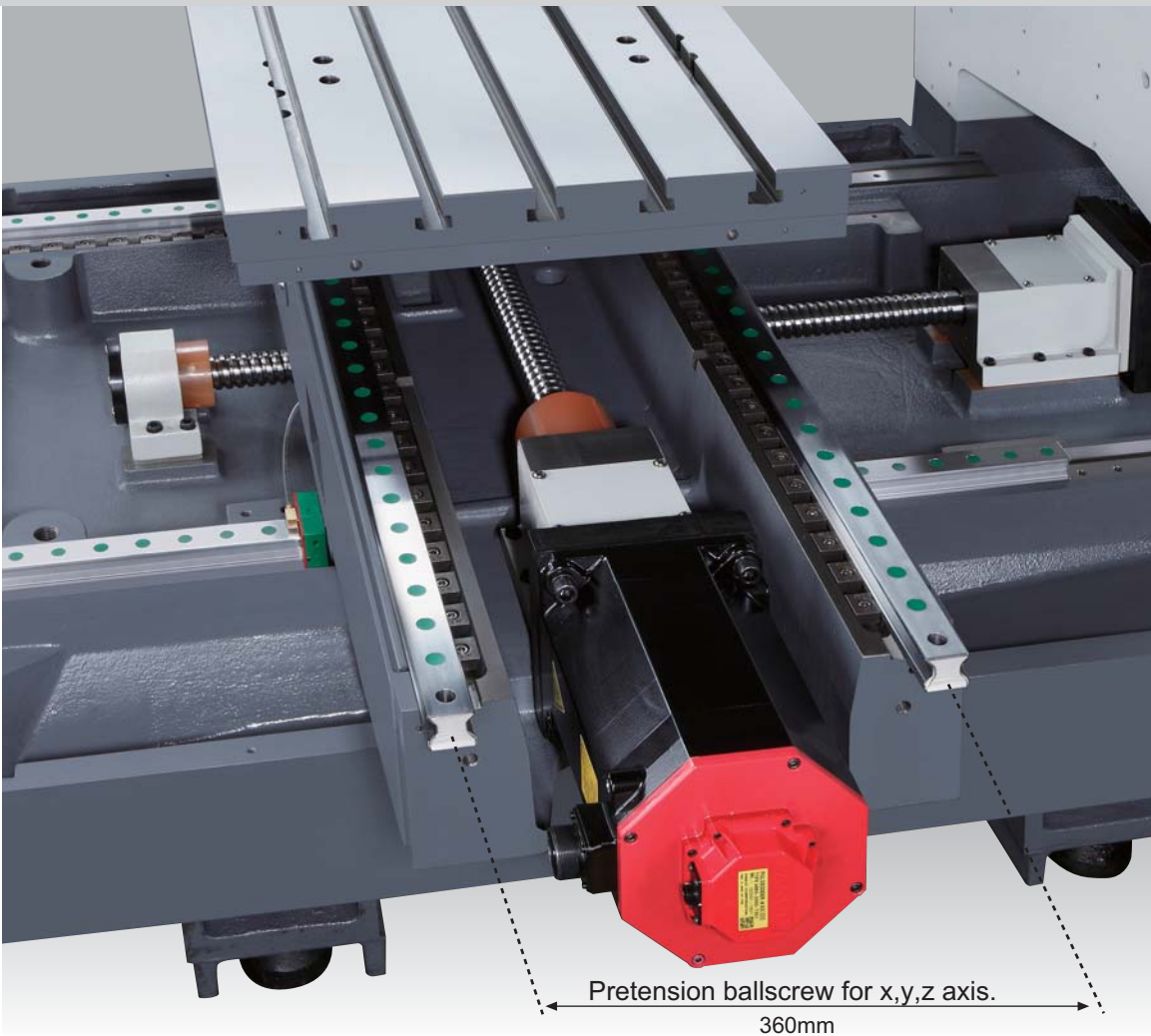


Tuck type swing operation panel (EMV-600APC)

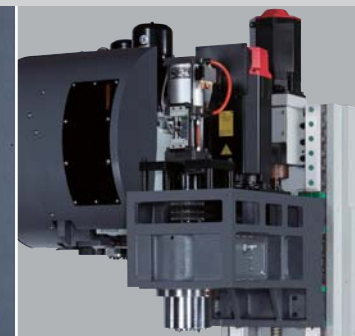
APC Vertical Machining Center

EXCELLENT FEATURES PROVIDE VALUE

High Rigidity, High Accuracy Construction Design.



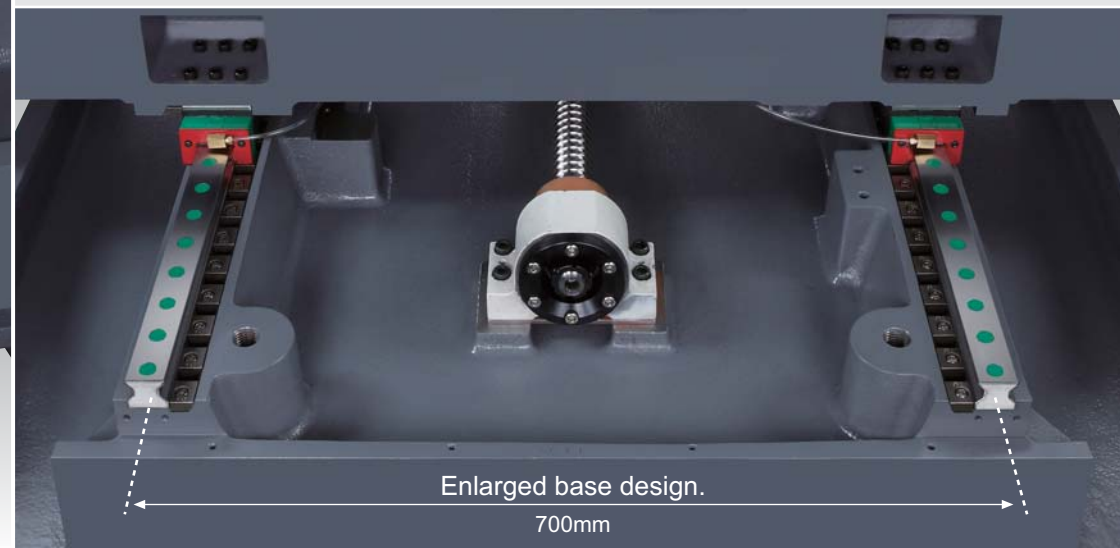
Convenient, simple & easy to use tool stand including tool-locked device.



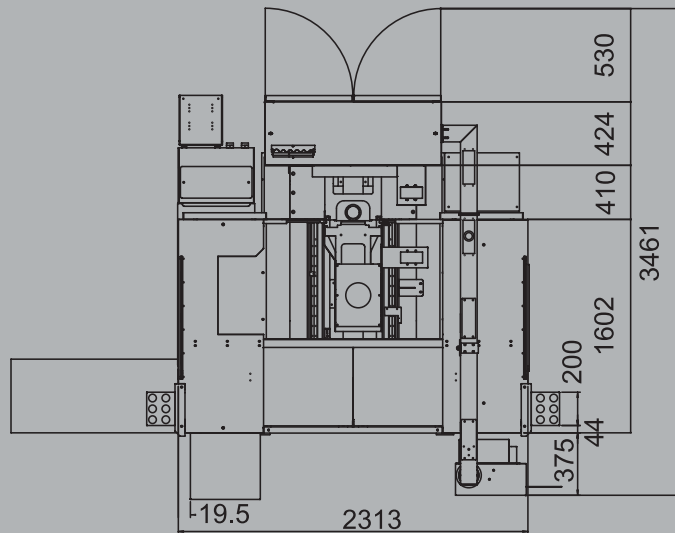
The floating draw bar mechanism is applied. The tool unclamping force will not transmit to the spindle bearing. This extends the spindle bearing service life.



The Renishaw ball bar instrument calibrates the circularity and the geometrical accuracy to ensure precise three-dimensional motions.



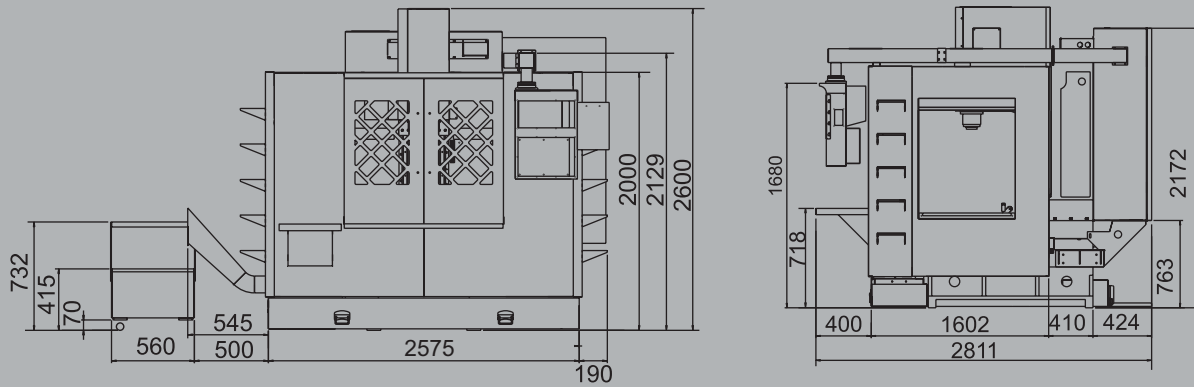
EMV-860 / 1020



3 Axis Linear Way Series

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

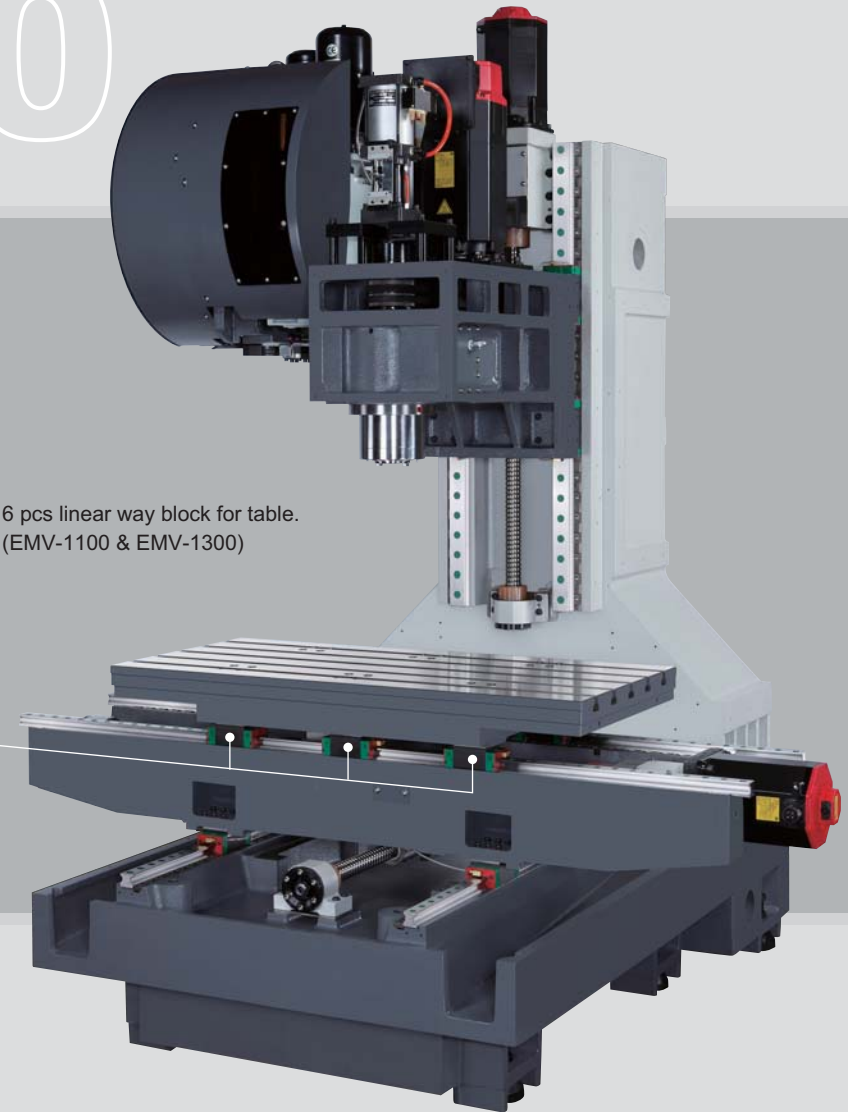
EMV-1100



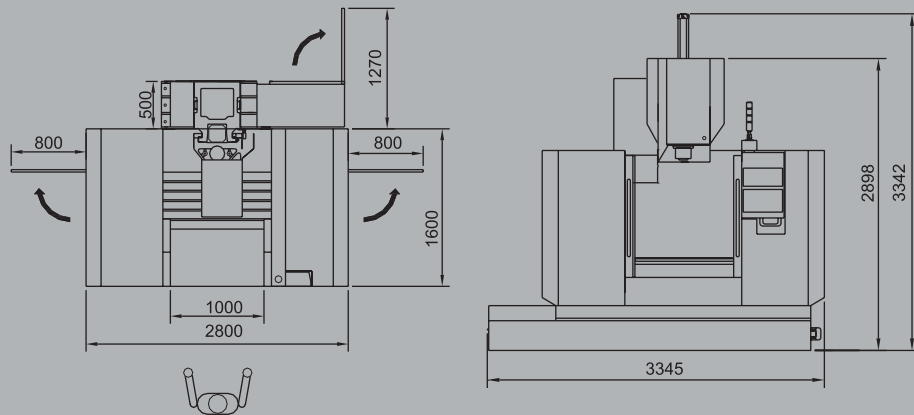
HIGH RIGIDITY, HIGH ACCURACY CONSTRUCTION DESIGN

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

6 pcs linear way block for table.
(EMV-1100 & EMV-1300)



EMV-1300



X,Y,Z Axis Linear Guideway Mechanism.

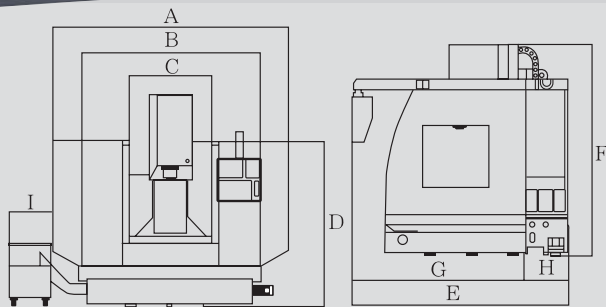
- The best choice of high-speed & high-precision machining center.
- Y axis use four slideways with eight blocks, ensuring the rigidity & durability of the machine.
- X axis use two linear ways & six blocks, ensuring the rigidity & durability of the machine.

MODEL	EMV-860	EMV-1020	EMV-1100	EMV-1300
X-axis Travel	860mm	1020mm	1100mm	1300mm
Y-axis Travel	560mm	560mm	560mm	600mm
Z-axis Travel	600mm	600mm	600mm	600mm

EMV CNC Vertical Machining Center

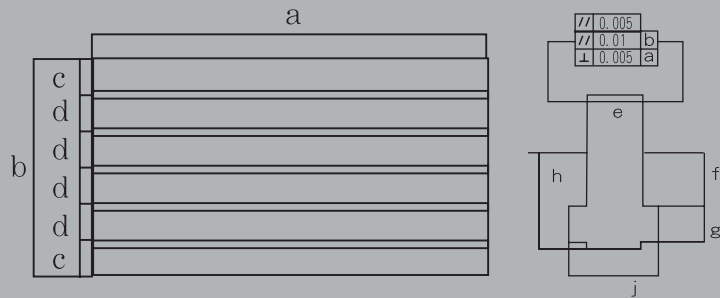
VMC Series

VMC-850 / 1000 / 1100 / 1300



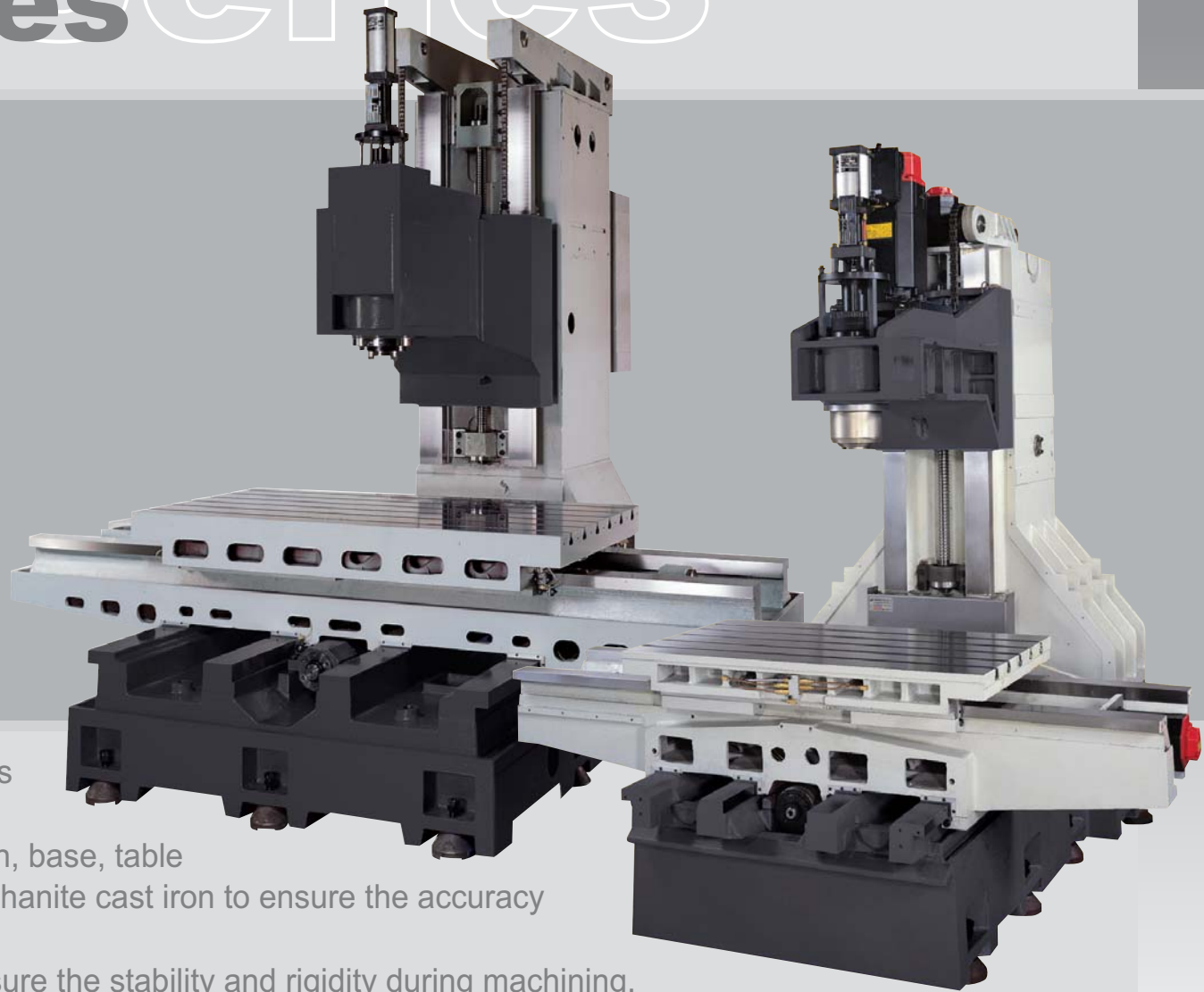
MODEL	VMC-850	VMC-1000	VMC-1100	VMC-1300	VMC-1600
X-axis Travel	850mm	1000mm	1100mm	1300mm	1600mm
Y-axis Travel	600mm	600mm	650mm	650mm	800mm
Z-axis Travel	600mm	600mm	610mm	610mm	700mm

VMC Series



MODEL	A	B	C	D	E	F	G	H	I
VMC-850	2500	2150	850	1980	2615	2535	2080	530	500
VMC-1000	2800	2150	1000	1980	2615	2535	2080	530	500
VMC-1100	3350	2020	1100	2100	3200	2800	2810	530	500
VMC-1300	3750	2020	1300	2100	3200	2800	2810	530	500

MODEL	a	b	c	d	e	f	g	h	i
VMC-850	950	600	100	100	18	18	12	32	30
VMC-1000	1100	600	100	100	18	18	12	32	30
VMC-1100	1270	600	100	100	18	18	12	32	30
VMC-1300	1470	600	100	100	18	18	12	32	30



- Digital design with rigidity analysis for 3 axis casting.
- Heavy Structure & High rigidity! The column, base, table and saddle are all made of high quality Meehanite cast iron to ensure the accuracy and stability of the machine.
- Table and saddle are fully supported to assure the stability and rigidity during machining.

EMV-CNC Vertical Machining Center



EMV-760A



EMV-1020

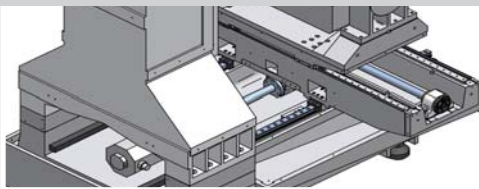
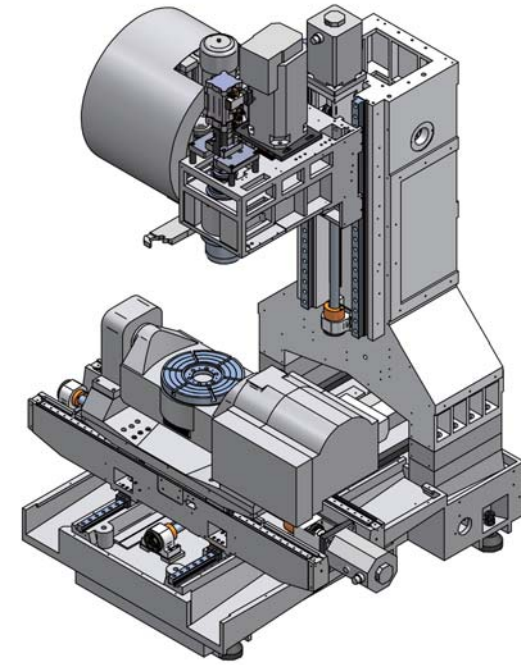
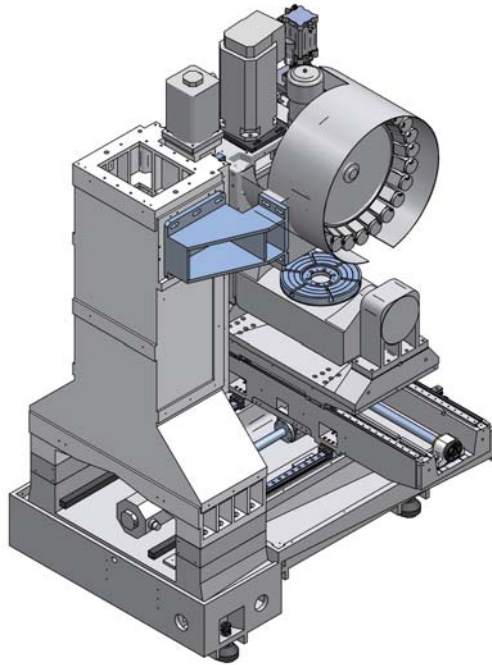
VMC-CNC Vertical Machining Center

VMC-1360S
SERIES
X / Y axis: Linear Way
Z axis: Box Way

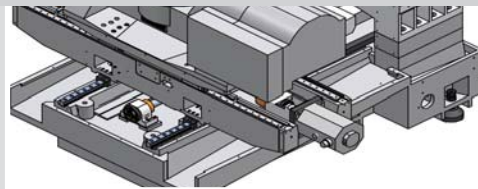


BOX Guideway

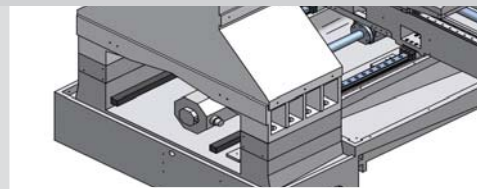
EMV-5A250T



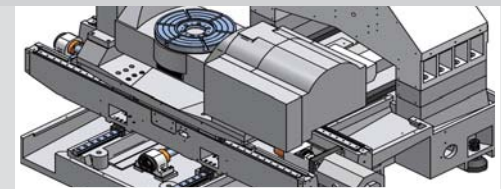
◎ **High precise ball screw**
XYZ 3 axes transmission used by C3 class in $\varnothing 40\text{mm}$ of ball screw.



◎ **High stability roller linear guide**
XYZ 3 axes transmission used by C3 class in $\varnothing 40\text{mm}$ of ball screw.

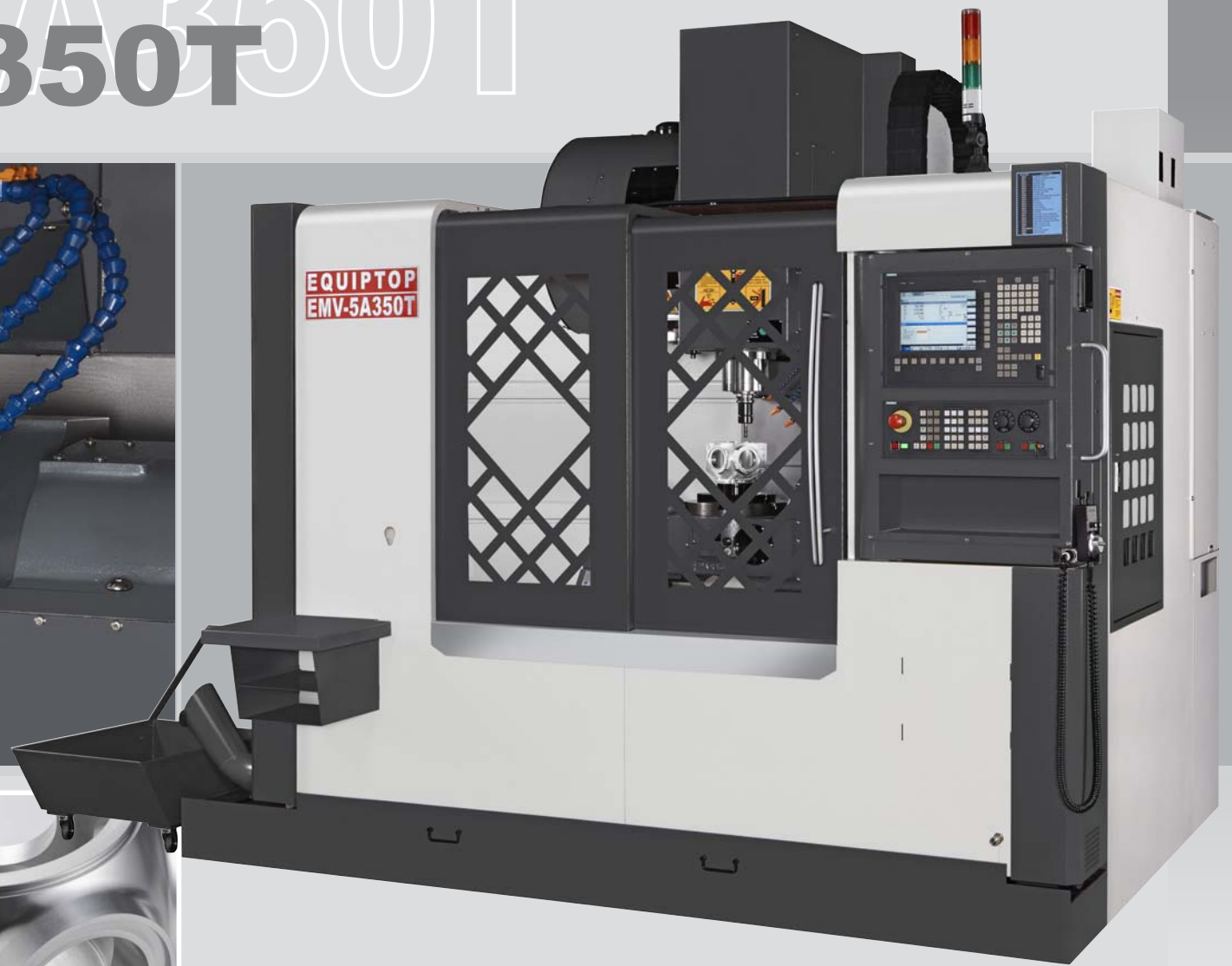


◎ **High quality Meehanite cast iron**
Machine main structure of high-quality Meehanite cast iron tempering treatment to eliminate the internal stress, also ensure the quality and stability of the structure permanently.



◎ **Hollow ball screw cooling (Optional)**
XY axes screw with hollow cooling machine in the high-speed movement from the ball screw ball interactive friction heat generated by the temperature rise, resulting in the ball screw thermal displacement of the machine tool positioning accuracy.

EMV-5A350T



5 AXIS Vertical Machining Center

SPECIFICATION

ETM / EMV SPECIFICATION

	Item	單位	ETM-510APC	ETM-510	EMV-600	EMV-600APC	EMV-860	EMV-1020	EMV-1100	EMV-1300	
Travel	Max. Travel For X Axis	mm	510	510	610	600	860	1020	1100	1300	
	Max. Travel For Y Axis	mm	360	400	460	460	560	560	560	600	
	Max. Travel For Z Axis	mm	450	450	480	480	600	600	600	600	
	Spindle Nose To Table	mm	160-610	200-650	150-630	150-630	150-750	150-750	150-750	125-725	
Spindle	Spindle Speed	rpm	8000 ; 10000(optional) / 12000(optional) / 15000(optional)								
ATC System	Tool Q'ty	只	Arm type 20T			Armless type 16T / Arm type 24T (optional)				Armless type 20T Arm type 24T (optional)	
	Max. Tool Diameter	mm	65			120		120			
	Max. Tool Length	mm	200			300		300			
	Max. Tool Weight	kg	3			6		6			
	Tool Shank		BT30			BT40		BT40			
Motor	Mitsubishi // Fanuc	kw(HP)	3.7 , 5.5 (optional) // 7.5	3.7 // 7.5		7.5 // 7.5		11 // 11		11 // 11	
	Mitsubishi // Fanuc	kw	1.0/1.0/3.0 // 1.6/1.6/3.0		1.5/1.5/3.5 // 1.6/1.6/3.0		2.0/2.0/3.5 // 4.0/4.0/4.0			3.5/3.5/3.5	
Table	Table Size	mm	(560x400) x2	600x360	700x450	(720x400)x2	910x560	1100x560	1200x560	1370x600	
	Max. Table Capacity	kg	200x2	250	600	550x2	800	1000	1100	1200	
	T-slot (Center x width x No.)	mm	100x14x5	100x18x3	125x18x3	125x18x3	100x18x5	100x18x5	100x18x5	100x18x5	
Feed Rate	X Rapid travel	M/mm	48 linear			48 linear		36 linear		32 linear	
	Y Rapid travel	M/mm	48 linear			48 linear		36 linear		32 linear	
	Z Rapid travel	M/mm	48 linear			32 linear		24 linear		24 linear	
	Cutting feed rate	mm/min	1-10000								
Controller	Mitsubishi or Fanuc		M70 / M80 or Oi-MF								
Other	Machine Weight	kg	4300	2800	4000	5000	5800	6300	6500	7200	
	Power Requirement	KVA	15	10	15	20	20			35	
	Air requirement	kg/cm ²	6								
	Coolant Water	L	130	200	240	260	290	340	350		

SPECIFICATION

VMC SPECIFICATION

	Item	單位	VMC-850	VMC-1000	VMC-1100	VMC-1300	VMC-1360S
Travel	Max. Travel For X Axis	mm	850	1000	1100	1300	1360
	Max. Travel For Y Axis	mm	600		650		680
	Max. Travel For Z Axis	mm	600		610		650
	Spindle Nose To Table	mm	90-690		120-730		120-770
Spindle	Spindle Speed	rpm	8000 ; 10000 (optional) / 12000 (optional)				
ATC System	Tool Q'ty	只	Armless type 16T / Arm type 24T (optional)		Armless type 20T / Arm type 24T (optional)		
	Max. Tool Diameter	mm	ø120mm				
	Max. Tool Length	mm	300				
	Max. Tool Weight	kg	6				
	Tool Shank		BT40				
Motor	Mitsubishi // Fanuc	kw(HP)	11 // 11		15 // 18.5		
	Mitsubishi // Fanuc	kw	3.0 / 3.0 / 3.0 // 4.0 / 4.0 / 4.0		3.5 / 3.5 / 3.5 // 4.0 / 4.0 / 4.0		
Table	Table Size	mm	950x600	1100x600	1270x600	1410x600	1370x650
	Max. Table Capacity	kg	800	1000	1100	1300	
	T-slot (Center x width x No.)	mm	18x5x100				
Feed Rate	X Rapid travel	M/mm	20		18		20
	Y Rapid travel	M/mm	20		18		20
	Z Rapid travel	M/mm	15		15		15
	Cutting feed rate	mm/min	1 ~ 10,000				
Controller	Mitsubishi or Fanuc		M70 / M80 or Oi-MF				
Other	Machine Weight	kg	5,800	6,250	6,900	7,200	
	Power Requirement	KVA	25		35		
	Air requirement	kg/cm ²	6				

EQUIPTOP®



FAIR FRIEND GROUP



"EQUIPTOP" means "TOP EQUIPMENT" A Wise Choice-Equiptop.



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