

Machine Specifications

ITEM		SVW-2217	SVW-2817	SVW-2822	SVW-3217	SVW-3222	SVW-3223	SVW-4217	SVW-4222	SVW-4223
TABLE										
Overall size	mm	2000X1400	2600X1400	2600X1800	3000X1400	3000X1800	3000X2000	4000X1400	4000x1800	4000x2000
T slots	mm	22								
Max. loading	ton	8	9	11	10	12	12	14	15	15
TRAVEL										
X axis	mm	2200	2800		3200			4200		
Y axis	mm	1600		2100	1600	2100		1600	2100	
Z axis	mm	800(1000)								
DISTANCE										
Between two columns	mm	1700	2200	1700	2200	2300	1700	2200	2300	
Spindle nose to table top	Z=800mm	mm								
	Z=1000mm	mm								
SPINDLE										
Speed	rpm	6000(4000)								
Taper		BT/DIN/CAT 50(#40)								
Motor(cont/30min)	kW	15/18.5(22/26)								
ATC										
No. of ATC	tools	24(32/40/60)								
Max. Dia of tool	mm	ø 110 with adjacent tool / ø 200 without adjacent tool								
Max. length of tool	mm	350								
Max. tool weight	kg	18								
FEED RATE										
Rapid feedrate X/Y/Z	m/min	15/15/15			12/15/15					
Cutting feedrate	mm/min	1~10000								
Min. Setting	mm	0.001								
COOLANT & LUBRICATION										
Hydraulic tank volume	L	70								
Lubrication tank volume	L	8								
Coolant tank volume	L	584	680	584	680	584	680			
MISCELLANEOUS										
Machine Weight	tons	21	24	26	26	32	35	38	43	45
Power required	kVA	40								
Compressed air pressure	kg/cm ²	7								
Compressed oil pressure	kg/cm ²	70								
Floor space	Length	mm	6350	7550		8850			10350	
	Width	mm	5000		5500	5000	5500	5700	5000	5500
Controller		FANUC Oi-M (32-M / 31-M) MITSUBISHI (M70M700) · SIEMENS (840DSL/828D) HEIDENHAIN (TNC 530HSCI)								

★ Specifications subject to change without prior notice.

Standard Features & Accessories

- A.T.C. 24
- Automatic power off
- AICC II (200 Block / 30m)
- Automatic lubrication system
- Heat exchanger in cabinet
- Levelling bolts & pads
- M.P.G.
- Machine & controller manuals
- RS-232C & RJ-45 terminal interface
- Splash guard
- Spindle oil cooler
- Spindle speed 6000rpm
- Spindle air blast system
- Spindle motor 15/18.5kW
- Screw auger & chain type chip conveyors & cart
- Tools box for machine adjustment
- Working lamp & alarm lamp

Optional Accessories

- Auxiliary work table
- Auto heat compensation
- Air conditioner at cabinet
- Air condition in electric cabinet
- Auto tool change: 32/34/60 TOOLS
- Auto attachment changer system (AAC)
- CNC rotary table
- Cutting coolant mist device
- Coolant through spindle (CTS 20BAR)
- Full splash guard with roof
- Tool shank with oil
- Tool presetter (TS-27)
- Workpiece coordinate measuring (OMP 60)
- X/Y/Z Airs linear scales
- Z axis box way



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ISO 9001
ISO 14001



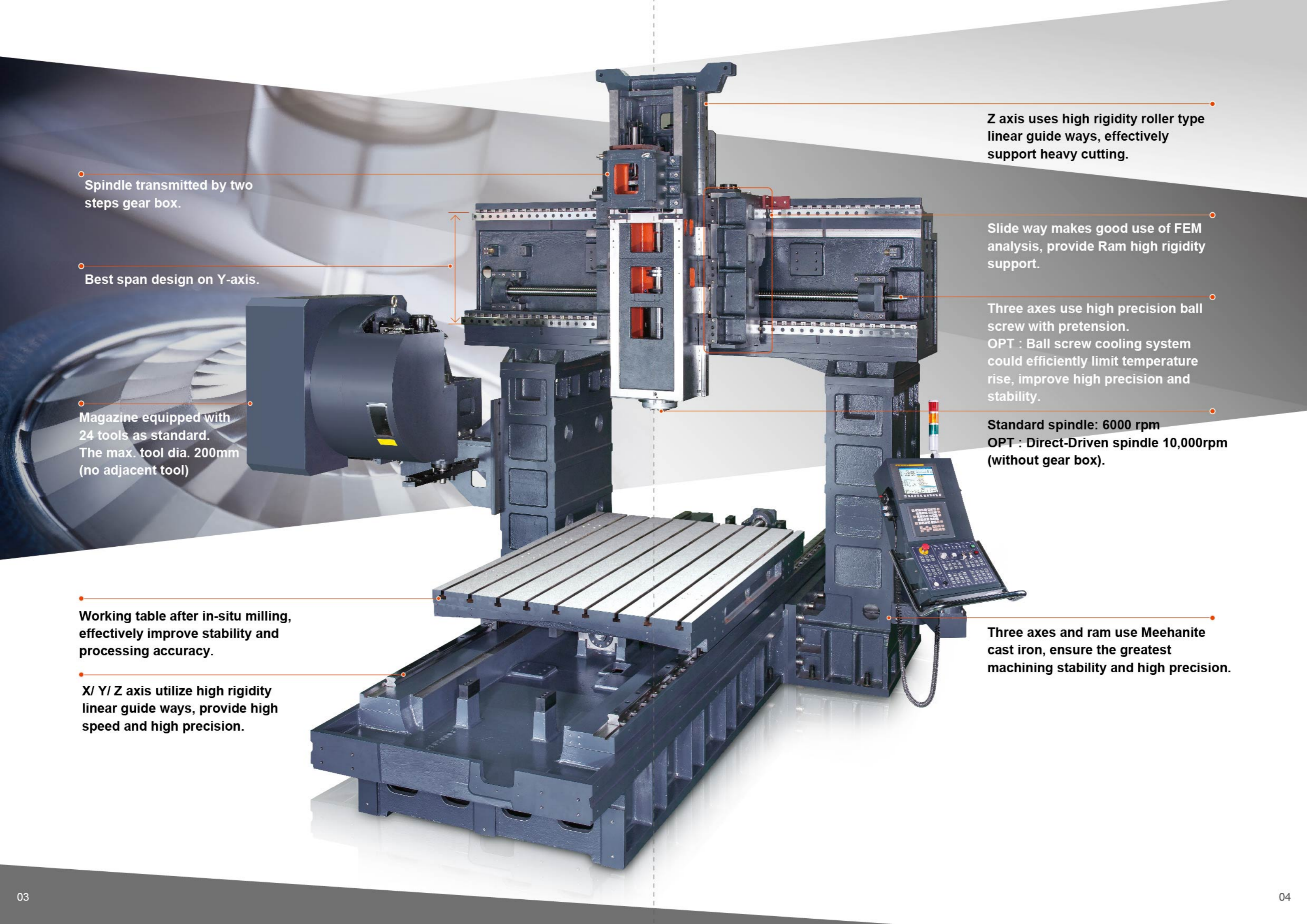
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SVW SERIES

CNC Double Column Machining Center



Spindle transmitted by two steps gear box.

Best span design on Y-axis.

Magazine equipped with 24 tools as standard. The max. tool dia. 200mm (no adjacent tool)

Working table after in-situ milling, effectively improve stability and processing accuracy.

X/ Y/ Z axis utilize high rigidity linear guide ways, provide high speed and high precision.

Z axis uses high rigidity roller type linear guide ways, effectively support heavy cutting.

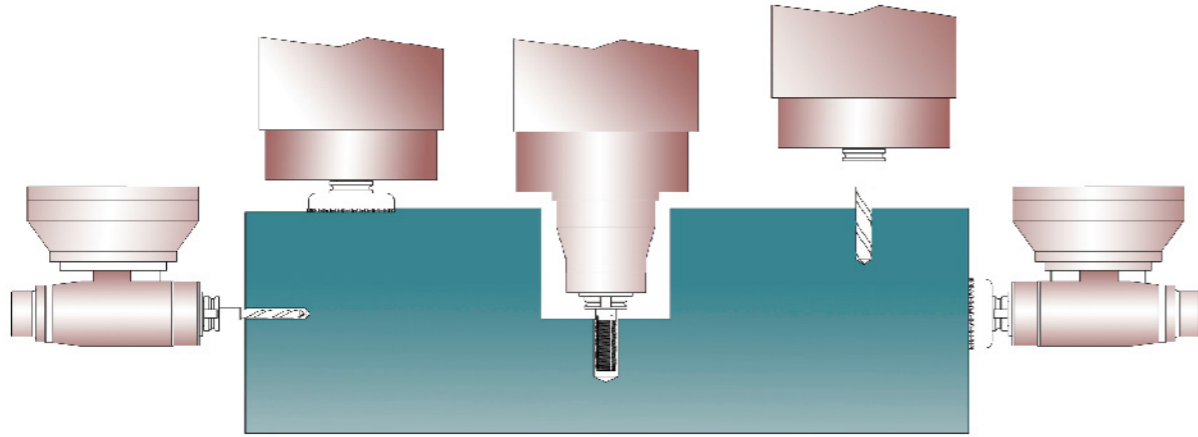
Slide way makes good use of FEM analysis, provide Ram high rigidity support.

Three axes use high precision ball screw with pretension. OPT : Ball screw cooling system could efficiently limit temperature rise, improve high precision and stability.

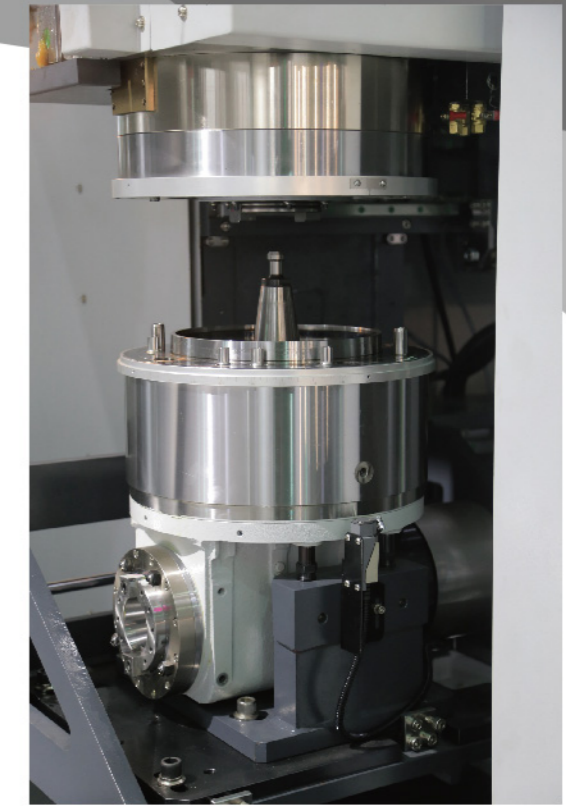
Standard spindle: 6000 rpm
OPT : Direct-Driven spindle 10,000rpm (without gear box).

Three axes and ram use Meehanite cast iron, ensure the greatest machining stability and high precision.

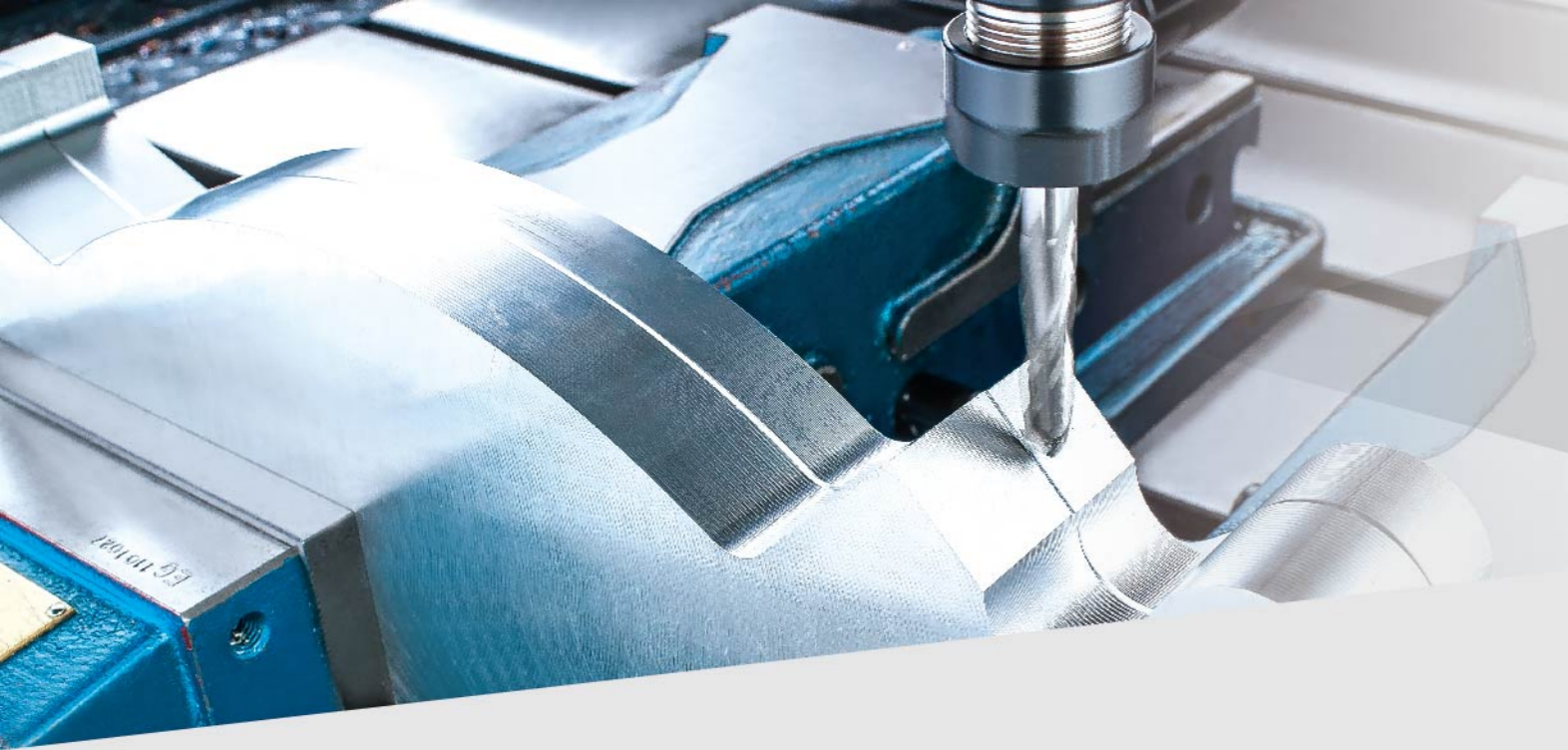
Automatic Attachment Changer System (AAC system)



To reduce machining time and enhance accuracy, available to equip with automatic accessory change function to carry out a smooth machining sequence.(OPT.)



AAC system equip with pendant control panel (optional)



Optional accessories

Direct- Driven Spindle

- Available for high speed cutting
- BT/ DIN/ CAT 50
 - Optional: 8000 with ZF gear box
 - 10000 rpm without gear box
- CAT/ HSK 40
 - Optional: 8000/ 10000/ 12000/ 15000 rpm



Milling head (opt.)



90° angular milling head

- 2000/3500 rpm
- Manual positioning & Automatic positioning



90° angular extended head

- 800rpm or 3500rpm



Extended milling head

- 3500rpm



Multi angular manual head

- 1200rpm or 3500rpm
- CTS available (optional)



Manual Universal Milling Head

- 2500rpm or 3500rpm
- Hydraulic tool clamping
- CTS available (optional)



Automatic Vertical & Horizontal Milling Head

- A/C Axis 5° positioning
- 3500rpm
- Hydraulic tool clamping/ unclamping
- CTS available (optional)



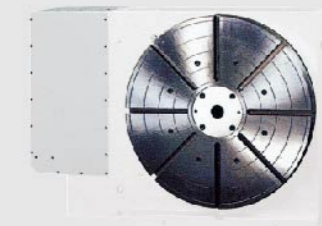
Fanuc 0i-M With 10.4" screen (Standard)

- Optional:
 1. Fanuc 32i-M/ 31i-M
 2. Meldas(M70/ M700)
 3. Siemens (828D/840DSL)
 4. Heidenhain(iTNC 530)



Vertical Chain Type ATC (Optional)

- Arm type
- Bi-directional, random tool selection
- 32 or 40 tools



CNC Rotary Table

- ø400mm, ø500mm.
- ø630mm, ø800m.



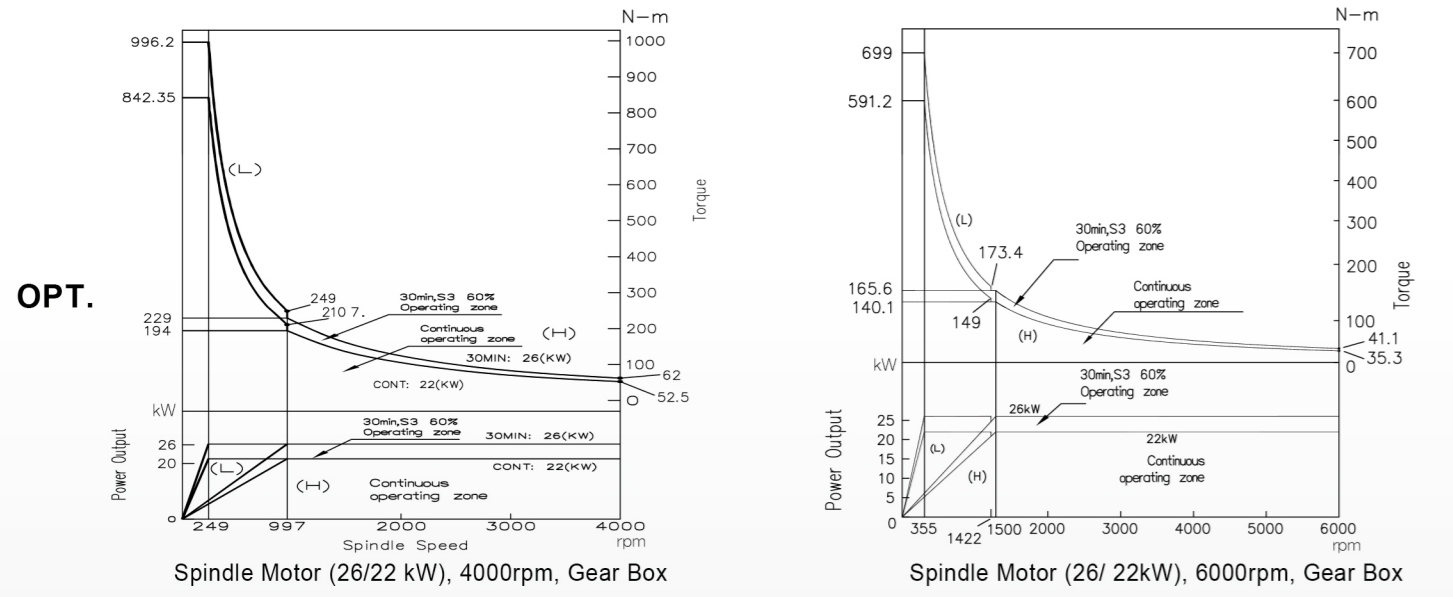
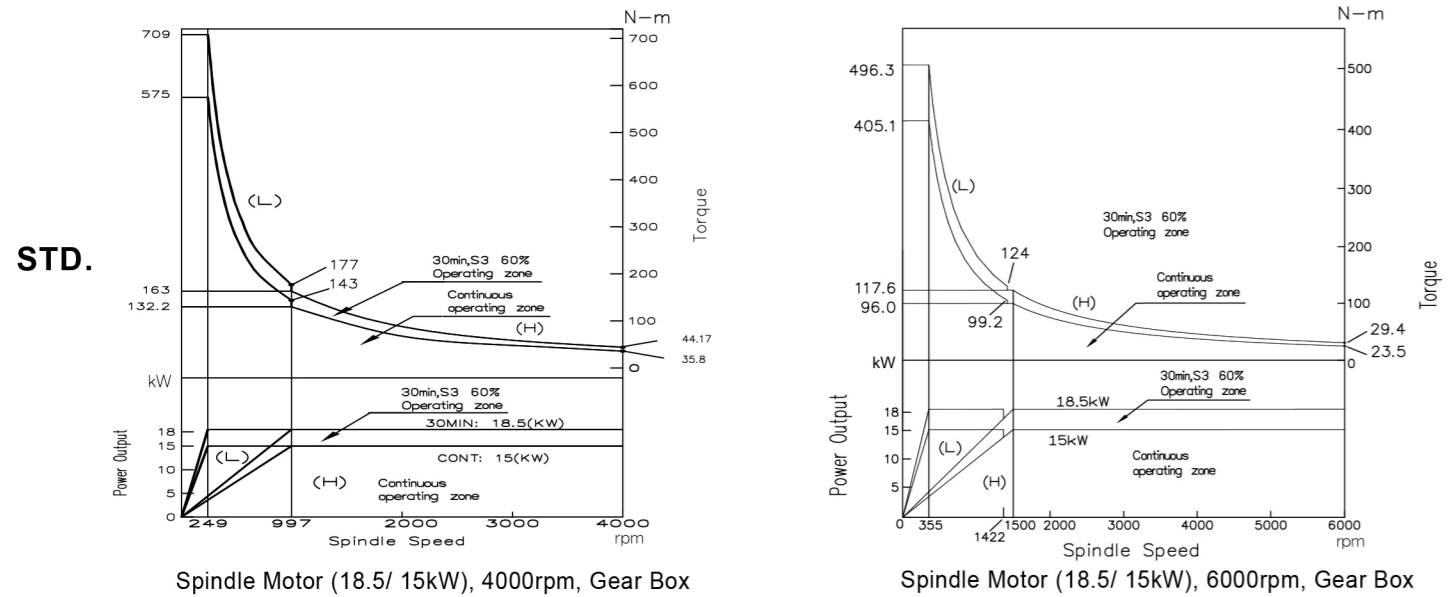
Pendant Control Panel (Optional)



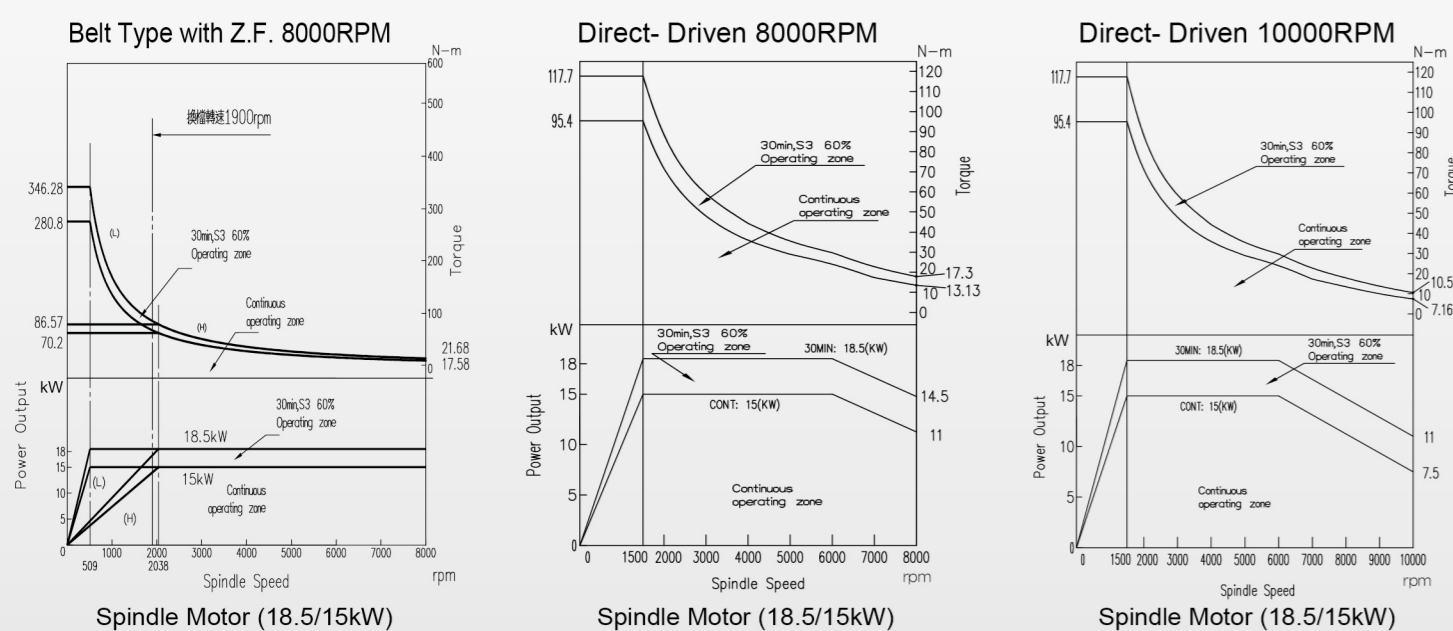
Manual Tailstock

Spindle Motor Output Power Chart

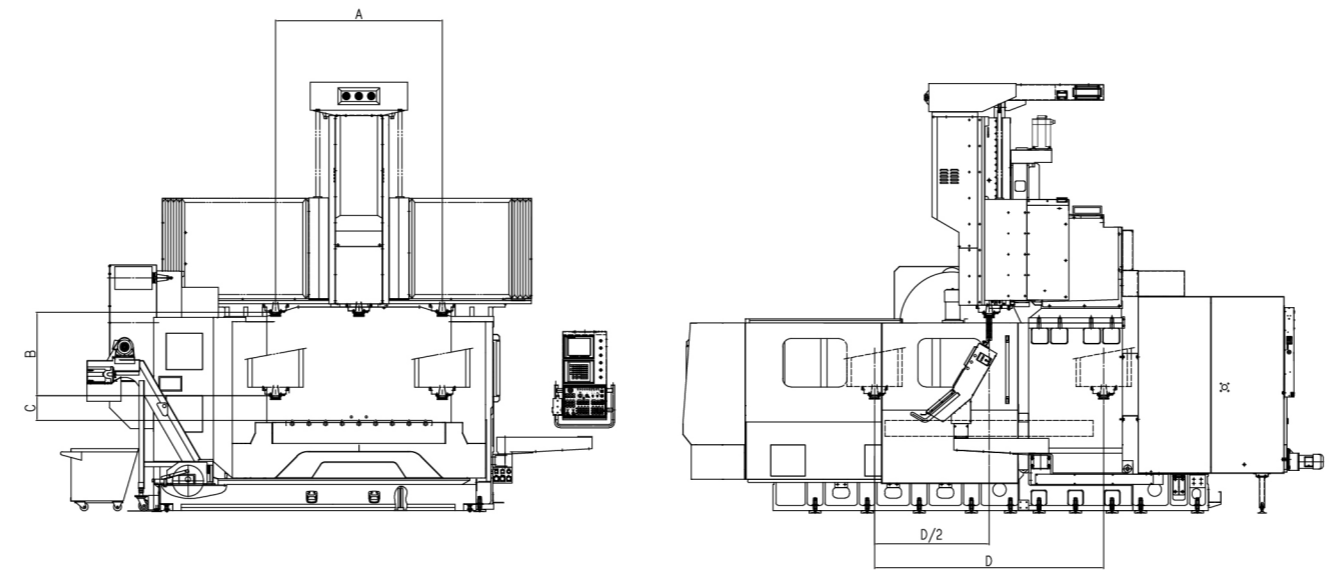
Highest Torque Spindle FANUC



Highest Speed Spindle FANUC

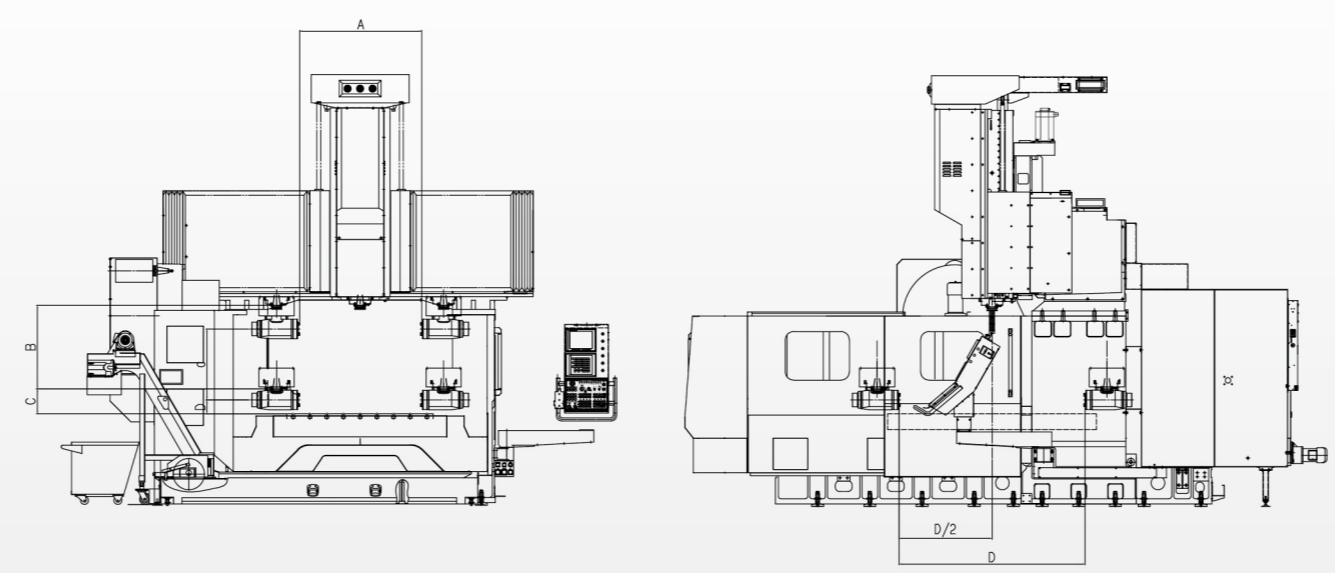


Working Area



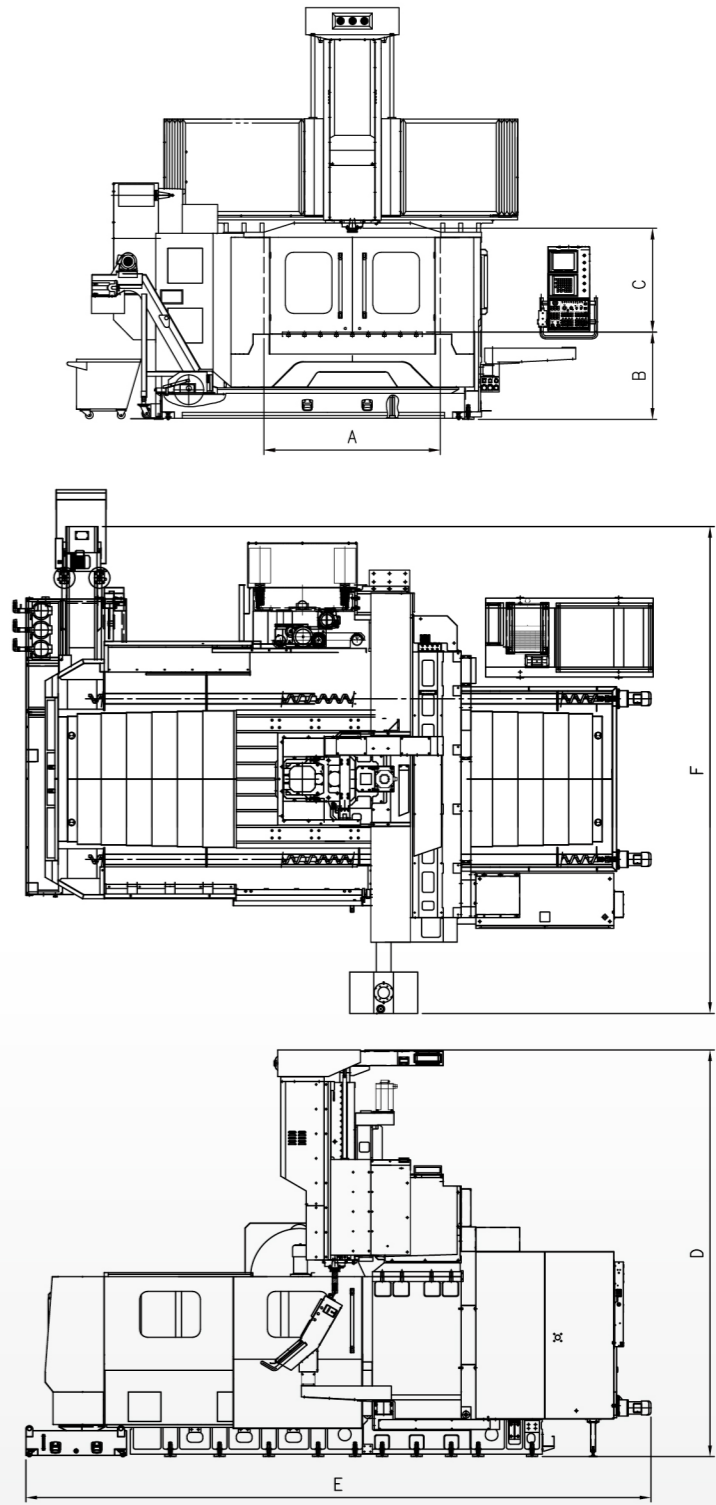
Model	A-Y Axis working travel	B-Z Axis working travel	C-Spindle Nose to Table Top	D-X Axis working travel
SVW-2217	1600	800	240	2200
SVW-3217	1600	1000	240	3200
SVW-3222	2100	800	240	3200
SVW-4222	2100	1000	240	4200

The Working Area With 90° Degree Milling Head



Model	A-Y working travel (With 90° angular head)	B-Z Axis working travel	C-Center head to Table Top	D-X Axis working travel
		Z=800	Z=1000	
SVW-2217	1182			1782
SVW-3217	1182	680	880	2782
SVW-3222	1682		134	2782
SVW-4222	1682			3782

Floor Space & Machine Layout



Mode	A-Between Two Columns	B-Table to Ground	C-Spindle Nose to Table Top		D-Machine Height		E-Machine Length	F-Machine Width
			Z=800	Z=1000	Z=800	Z=1000		
SVW-2217	1770						6350	5000
SVW-2817	1770						7550	5000
SVW-2822	2270						7550	5500
SVW-3217	1770						8850	5000
SVW-3222	2270	850	240-1040	240-1240	4200	4800	8850	5500
SVW-4217	1770						8850	5700
SVW-4222	2270						10350	5000
SVW-4223	2370						10350	5500
							10350	5700