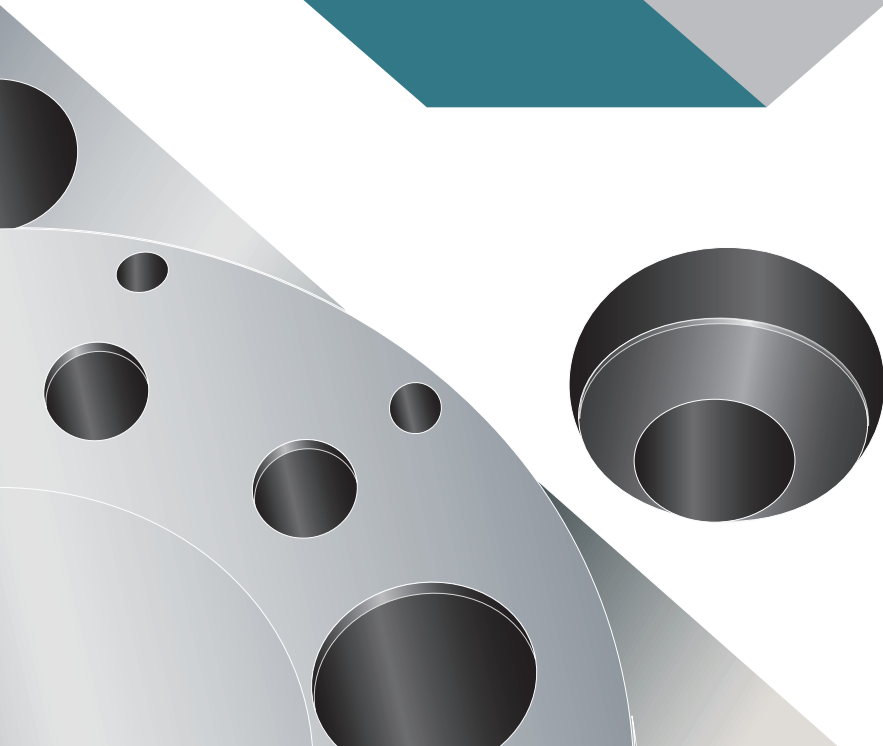
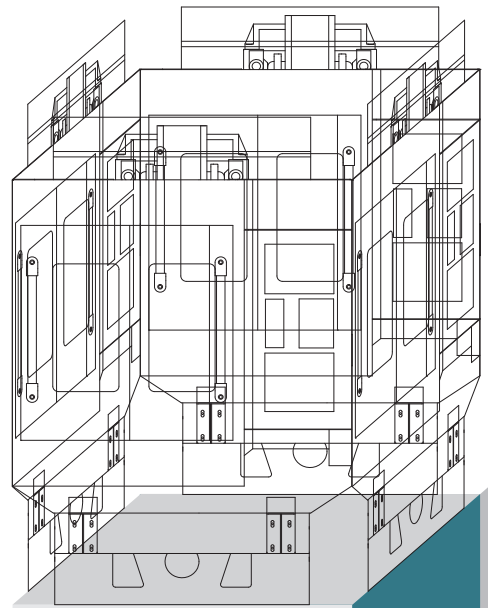




Chip Removal

Superb Stability & Powerful



Tapping & Drilling Center

Mass Production High Performance

- Less Floor Space Occupancy
- Huge Y-axis Travel
- Ingenuity Single-layered Cover On X-axis
- Z-axis Adapted with Continuity Designed Cover



**Variety
Spindle Taper
Available**

**Fast Simultaneous
Tool Change System**

ISO-30, ISO-40, HSK40E

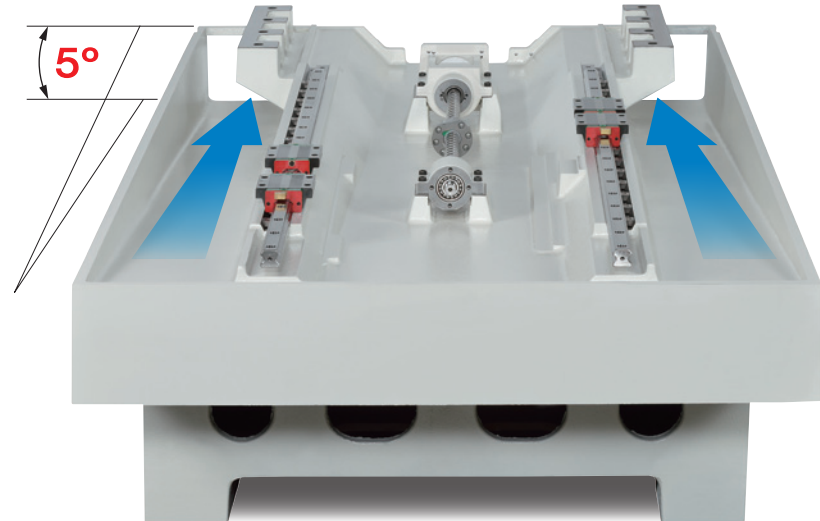
**Reservoir Type
Lubrication
System &
Bronze Tube
Oil Circuit**

**Heavy Loading Roller Type
Linear Guideways**

Optimum Low Gravity Structure

Powerful Chip Flushing

The tilting and wide drainage way at the base allow the effective chip flushed to the rear chip tray or chip conveyor (available as optional)



Standard Accessories

- ISO-30 12000rpm Direct Type Spindle
- Turret Type ISO-30 21 Tools
- Rigid Tapping
- Auto Power Off
- Working Light & Alarm Light
- Auto Lubrication System
- Coolant & Chip Flushing System
- Leveling Screws & Blocks
- Operation Manual
- Heat Exchanger

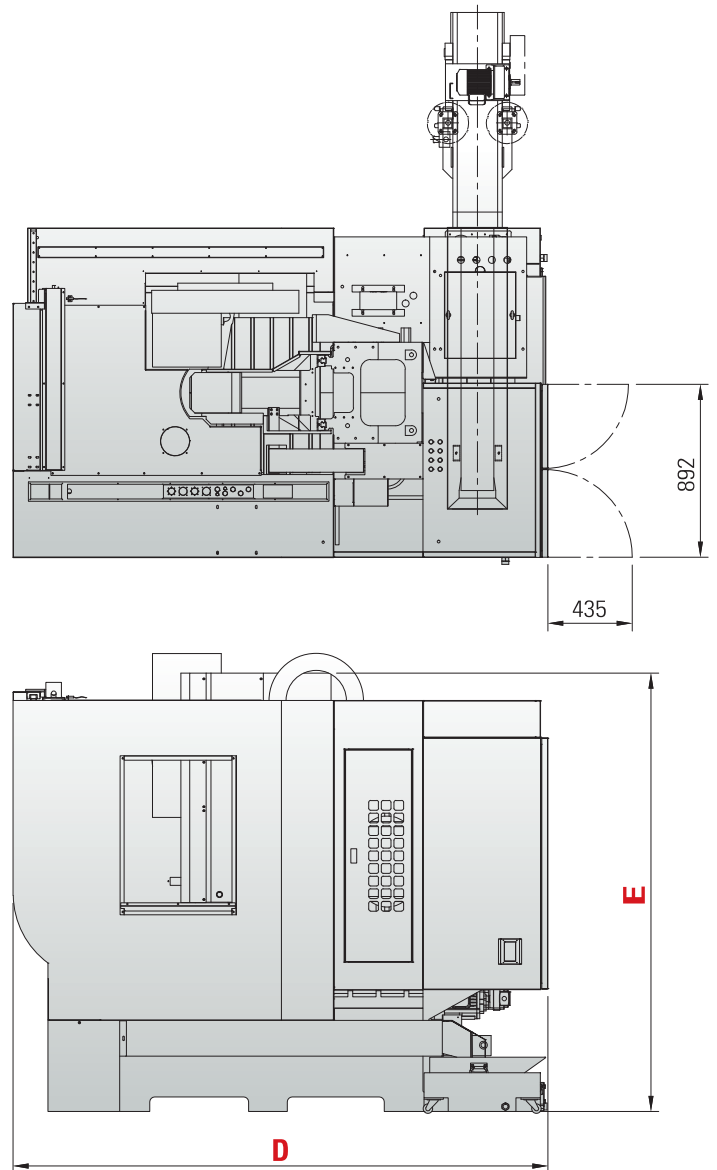
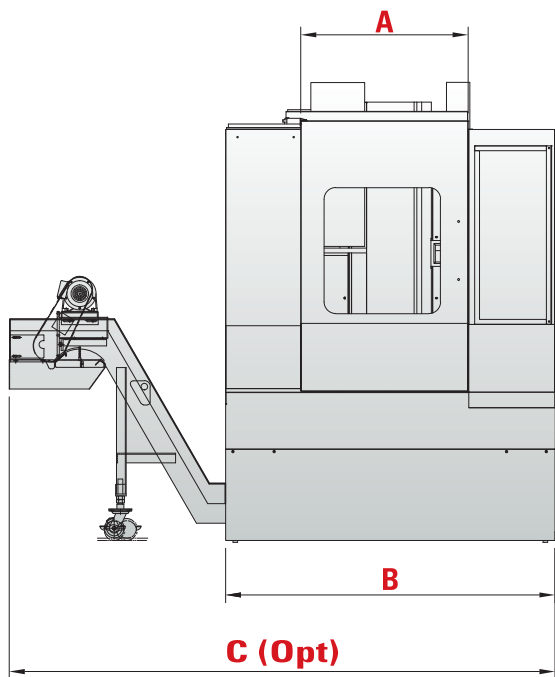
Optional Accessories

- Spindle Taper ISO-40/HSK40E
- Spindle Speed
 - ISO-30:15000/20000/24000rpm
 - ISO-40:10000/12000/15000rpm
- Arm Type Tool Changer
 - ISO-30 (Regular): 24 Tools
 - ISO-40 (Regular): 24/30 Tools
 - ISO-30 (Simultaneous): 20 Tools
 - ISO-40 (Simultaneous): 24 Tools
- 4th Axis Rotary Table
- Chain Type Chip Conveyor
- Transformer
- CTS System
- Spindle Coolant Ring

Machine Dimension

	A	B	C	D	E
550	600	1400	2520	2760	2262 ~ 2762
750	860	1700	2820	2760	2262 ~ 2762

Unit: mm



TP Series Specifications

		550	750
Table			
Table Size	mm	600 x 500	800 x 500
T-Slot	mm	14 x 4 x 100	14 x 4 x 100
Max. Table Loading Capacity	kgs	200	250
Travel			
X Axis Travel	mm	510	700
Y Axis Travel	mm	500	500
Z Axis Travel	mm	500	500
Spindle Nose to Table Surface	mm	150~650	150~650
Spindle Center to Z-Axis Cover Surface	mm	530	530
Spindle			
Spindle Taper		ISO-30 (ISO-40)	ISO-30 (ISO-40)
Spindle Speed	rpm	12000 (15000, 20000, 24000) (ISO-40:10000, 12000, 15000)	
Transmission Method		Direct (Built-in)	Direct (Built-in)
Spindle Motor	kW	3.7/5.5(5.5/7.5) (ISO-40:5.5/7.5, 7.5/11)	
ATC			
Magazine Capacity	tools	Turret Type ISO-30:21 (Arm Type ISO-40:24,30)	
Tool Selection Method		Random	Random
Max. Diameter / W/O Adjacent	mm	Turret Type ISO-30 21T:Ø60/Ø80 (Arm Type ISO-40 24T/30T:Ø75/Ø150)	
Max. Tool Length	mm	Turret Type ISO-30:200 (Arm Type ISO-40:250)	
Max. Tool Weight	kgs	Turret Type ISO-30:3 (Arm Type ISO-40:7)	
Tool Change Time	sec (T-T/C-C)	Turret Type ISO-30:1.4/2.3 (Arm Type ISO-40:2.3/4.5; Arm Type Simultaneous ISO-30:1/1.8, ISO-40:1.5/3)	
3 Axis Traverse			
3 Axis Cutting Feedrate	m/min	12	12
3 Axis Rapid Traverse	m/min	48 (60)	48 (60)
Accuracy			
Positioning	mm	0.008	0.008
Repeatability	mm	±0.004	±0.004
Coolant			
Coolant tank Capacity	ℓ	120	160
Coolant Flow	ℓ/min	50	50
General			
Air Pressure Requirement	Kg/cm ²	5~7	5~7
Power Requirement	kva	15	15
Machine Size	mm	2760 x 1400 x 2762	2760 x 1700 x 2762
Machine Weight	kgs	4000	4500

■ Description in () are optional accessories.

■ We reserve the right to modify the design and specification without notice in advance.
Above specifications are for reference only. Correct specifications are based on actual machine.



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