

# TP Series Specifications

	550	750
<b>Table</b>		
Table Size	mm 600 x 510	800 x 510
T-Slot	mm 14 x5 x 100	14 x5 x 100
Max. Table Loading Capacity	kgs 200	250
<b>Travel</b>		
X Axis Travel	mm 510	700
Y Axis Travel	mm 500	500
Z Axis Travel	mm 500 (Turret Type : 400)	500 (Turret Type : 400)
Spindle Nose To Table Surface	mm 110~610 (Turret Type:100~500)	110~610 (Turret Type:100~500)
Spindle Center To Z-Axis Cover Surface	mm 530	530
<b>Spindle</b>		
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)	
<b>ATC</b>		
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	kg Turret Type ISO-30:3(Arm Type ISO-40:7)	
Tool Change Time	sec Turret Type ISO-30:1.4/2.3(Arm Type ISO-40:2.3/4.5; (T-T/C-C) Arm Type Simultaneous ISO-30:1/1.8,ISO-40:1.5/3)	
<b>3 Axis Traverse</b>		
3 Axis Cutting Feedrate	m/min 12	12
3 Axis Rapid Traverse	m/min 48 (60)	48 (60)
<b>Accuracy</b>		
Positioning	mm 0.008	0.008
Repeatability	mm ±0.004	±0.004
<b>Coolant</b>		
Coolant tank Capacity	ℓ 120	160
Coolant Flow	ℓ /min 50	50
<b>General</b>		
Air Pressure Requirement	kg/cm <sup>2</sup> 5~7	5~7
Power Requirement	KVA 15	15
Machine Size	mm 2500 x 1250 x 2762	2500 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.



## FOCUS SEIKI CORP

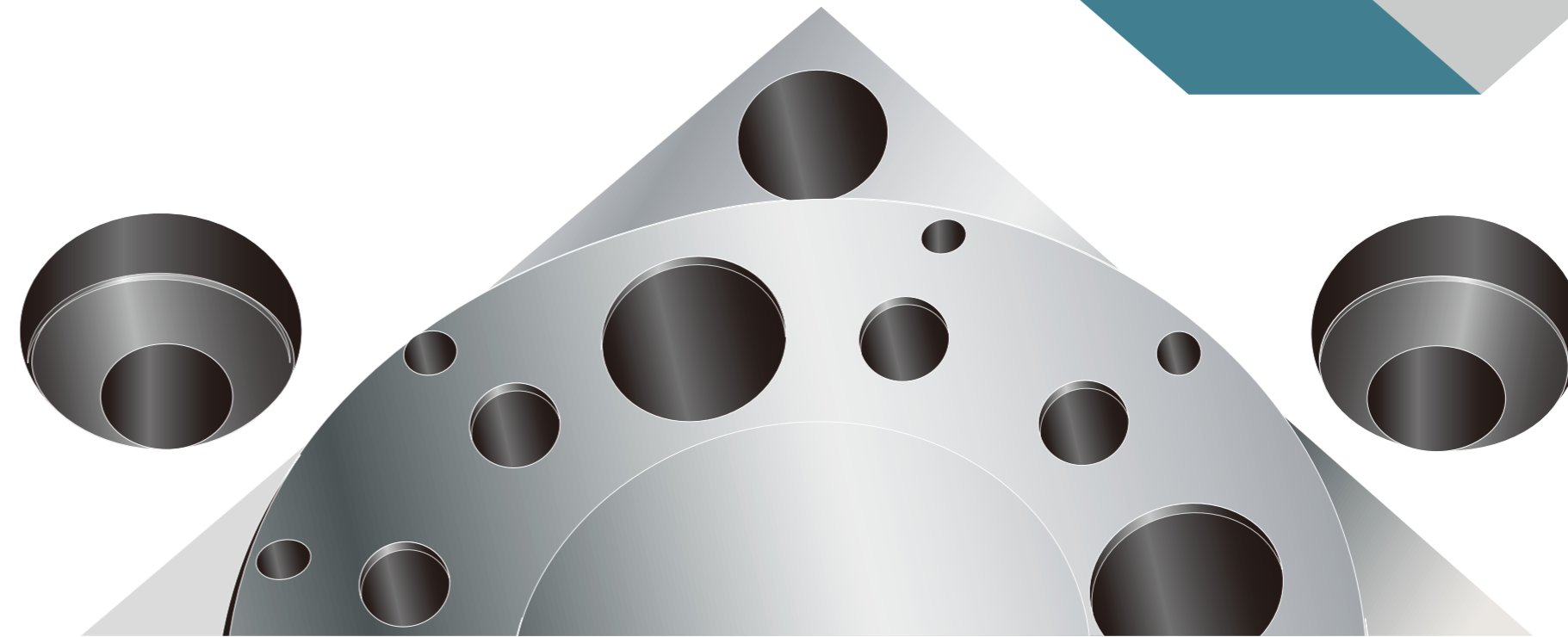
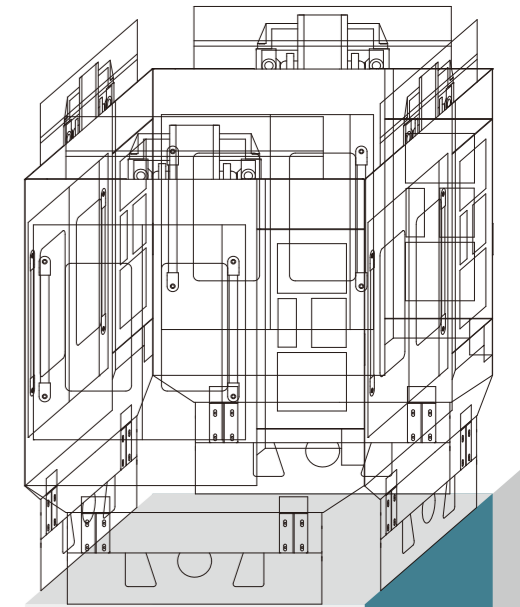
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# Chip Removal

## Superb Stability & Powerful



# Mass Production High Performance

- Less Floor Space Occupancy
- Huge Y-Axis Travel
- Ingenuity Single-Layered Cover On X-Axis
- X-Axis Adapted With Continuity Designed Cover



**Fast Simultaneous Tool Change System**

ISO-30, ISO-40, HSK40E

**Variety Spindle Taper Available**

**Heavy Loading Roller Type Linear Guideways**

Optimum Low Gravity Structure

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

**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 12000 rpm 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 / 24000 rpm  
ISO-40:10000 / 12000 / 15000 rpm
- 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
- 4<sup>th</sup> Axis Rotary Table
- Chain Type Chip Conveyor
- Transformer
- CTS System
- Spindle Coolant Ring

**Machine Dimension**

	A	B	C	D	E
TP-550	720	1525	2325	2500	2262~2762
TP-750	860	1700	2500	2500	2262~2762

