

# 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<br>(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;<br>(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

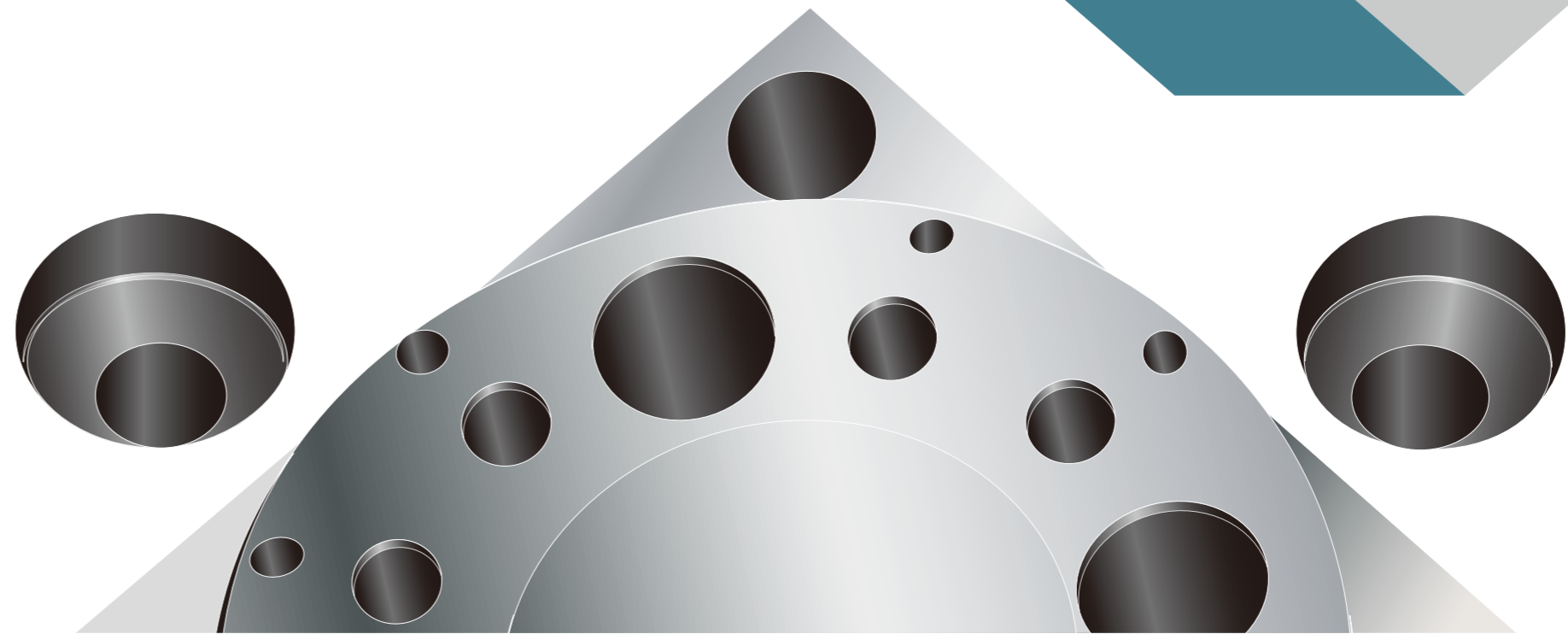
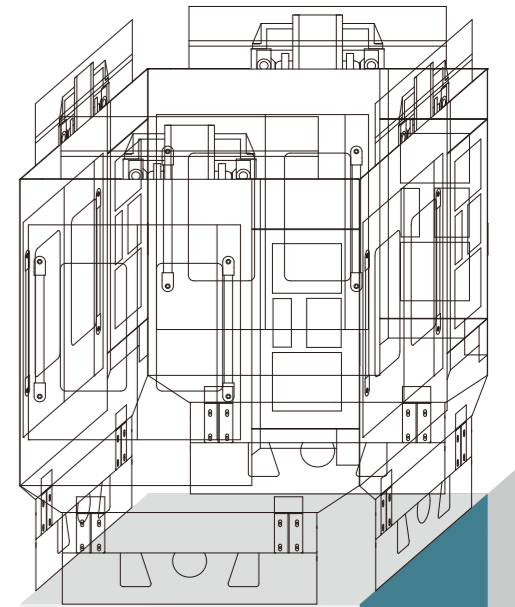
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# Chip Removal

## 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 |

