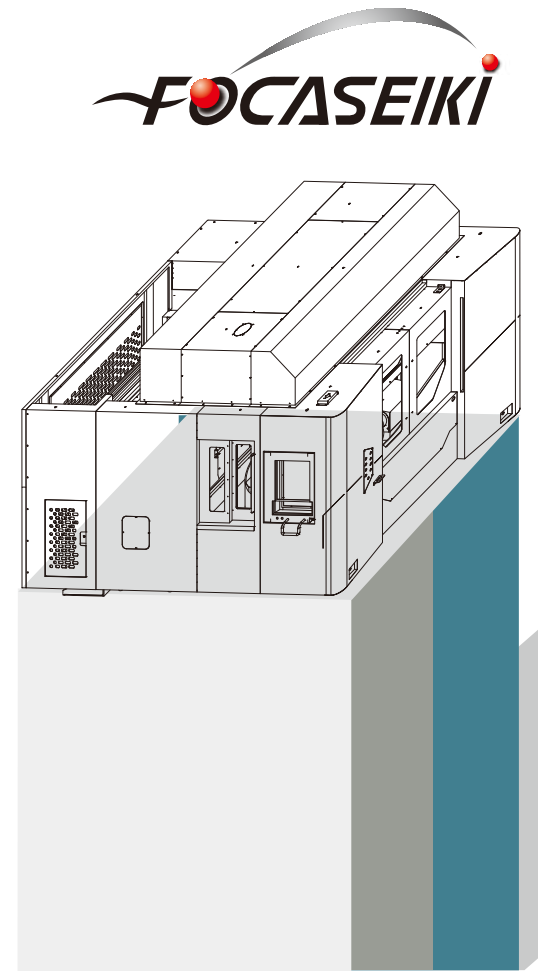




**HIGH EFFICIENCY,  
RELIABLE**



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Powerful precision and profitable  
Production machining center

## Compact, Productive, High Efficiency

- Easy maintenance
- Quick loading, unloading
- Reliably high productivity
- Compact , Reduced space requirements
- High stability , simple operation



## DT-750

Machining center with arm type  
tool changer (24 tool , ISO 40) and servo motor  
A.P.C change device (0°/180° 5 Secs.) enable  
loading and unloading during machining



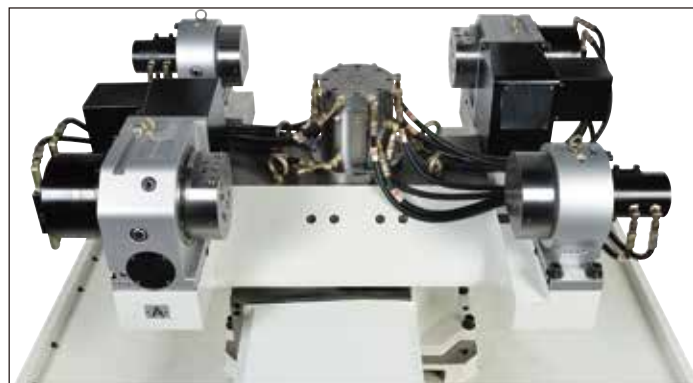
## ROBUST CONSTRUCTION

- High-Rigidity Saddle and Head Stock
- Heavier Loading and Higher Precision
- High Rigidity Roller Type Linear Guide Way on Three Axes



**DT-750**

**AT-750**

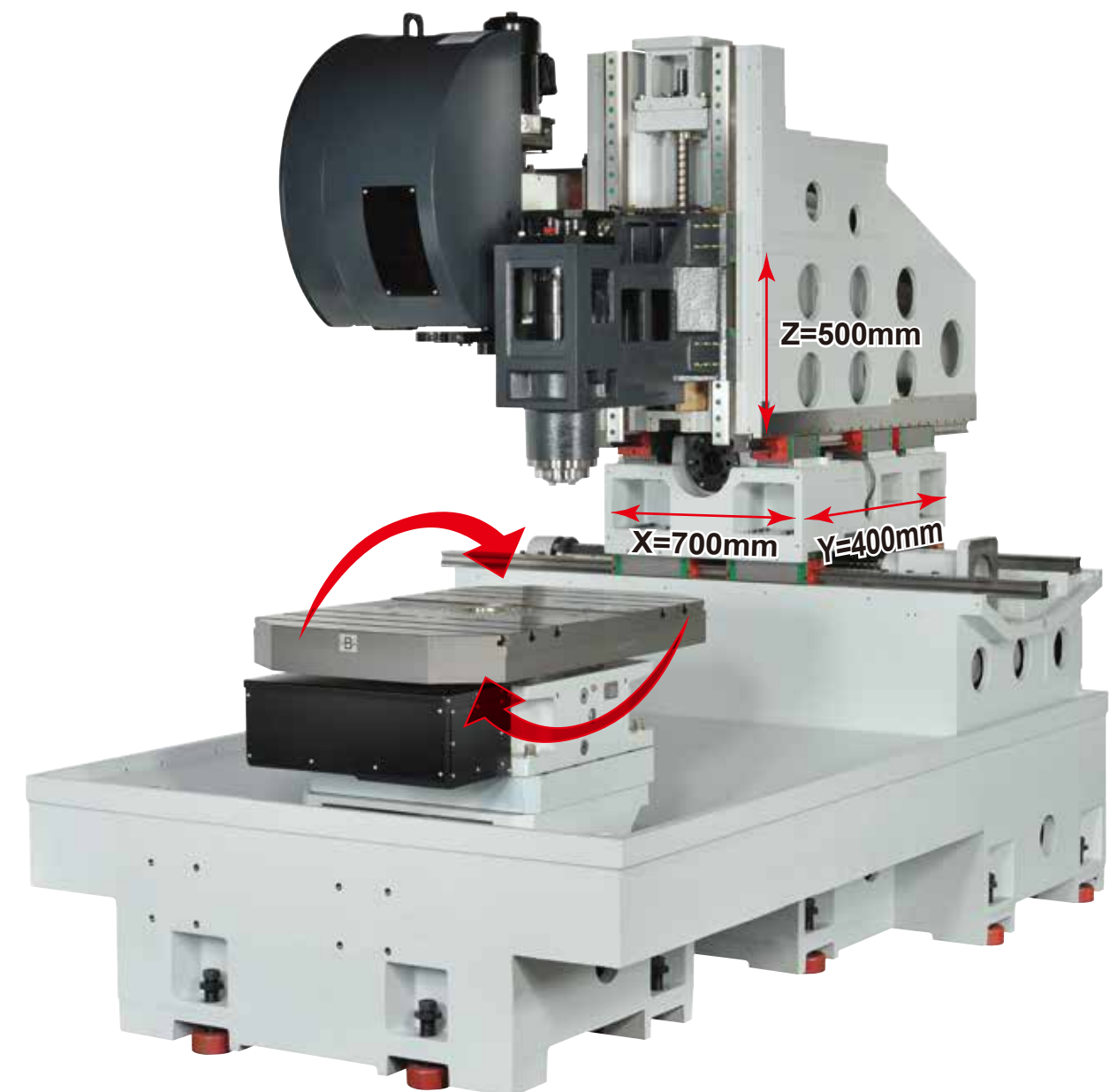


Pallet change time : 6±1 sec  
 Loading capacity : 100 kg(each)  
 Hydraulic oil adaptor : 16 pcs 1/4" PH (8 pairs)  
 Center bridge board : optional, customized design  
 Rotary table max . swing: Ø380 mm  
 Rotary table max. speed : 53.3 rpm  
 Rotary table clamping torque : 300 Nm  
 Rotary table min. increment : 0.001°

Pallet change time : 3.5 sec  
 Loading capacity : 200 kg(each)  
 Hydraulic oil adaptor : No

## AT-750

Machining center with arm type  
 tool changer (24 tool , ISO 40) and servo motor  
 A.P.C change device (0°/180° 3.5 Secs.) enable  
 loading and unloading during machining



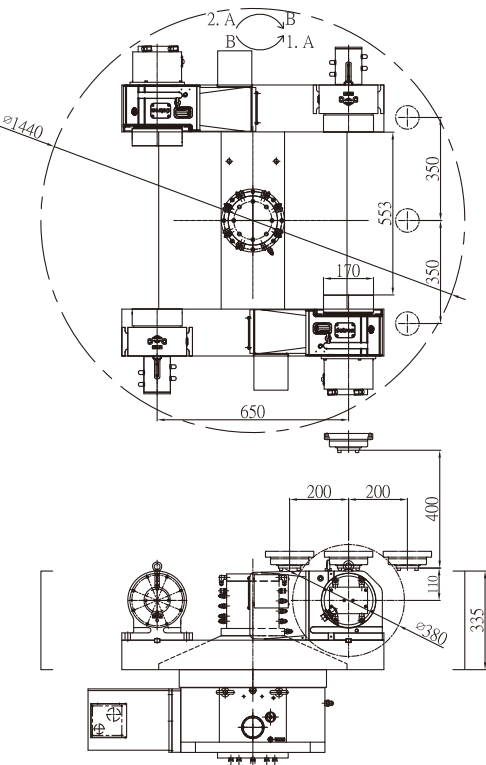
Standard Accessories:

- ISO 40 12000 r.p.m direct type spindle
- Rigid tapping
- Chip conveyor
- Ø170mm rotary table 2 sets
- Disk Type tailstock 2 sets
- Built-in hydraulic pipe 4/each
- Arm type magazine 24 tools
- Heat exchanger
- Auto lubrication system
- Working light & alarm light
- Auto power off

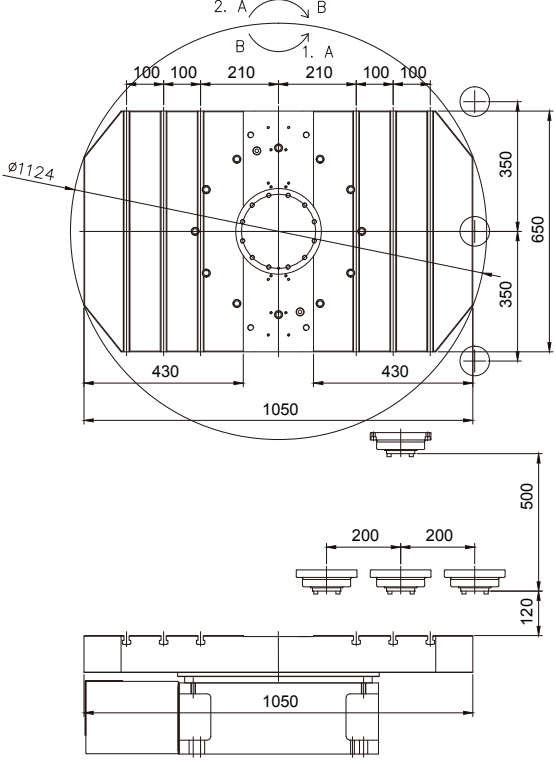
Optional Accessories:

- Transformer
- C.T.S sytem
- Spindle speed
  - ISO 30 : 12000/15000/20000/24000
  - ISO 40 : 12000/15000
- Spindle tapper: ISO 30, SK, HSK
- Arm type magazine
- Center plates

DT-750 Working Space Dimensions



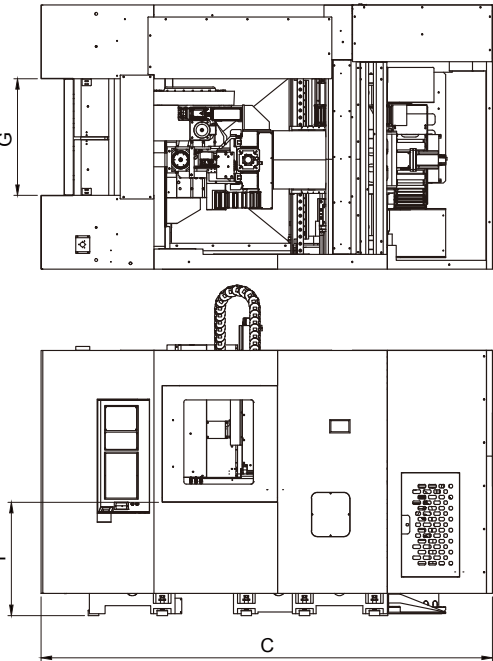
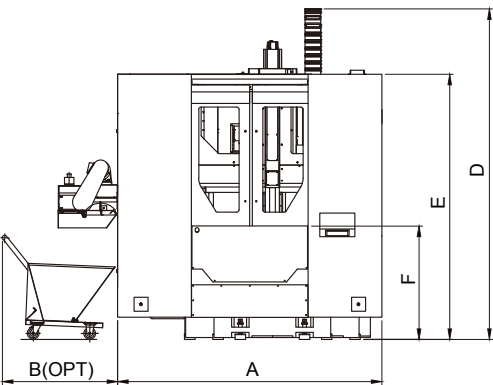
AT-750 Working Space Dimensions



Layout and Technical data(specification)

Floor Spacing

| MODEL  | A    | B    | C    | D    | E    | F   | G    |
|--------|------|------|------|------|------|-----|------|
| AT-750 | 2263 | 1000 | 3850 | 2890 | 2270 | 970 | 1000 |
| DT-750 | 2263 | 1000 | 3850 | 2890 | 2270 | 970 | 1000 |



| Model                               |       | DT-750                                                                          | AT-750          |
|-------------------------------------|-------|---------------------------------------------------------------------------------|-----------------|
| Travel                              |       |                                                                                 |                 |
| X / Y / Z Travel                    | mm    | 700 / 400 / 400                                                                 | 700 / 400 / 500 |
| A Axis Tilting Range                |       | 360°                                                                            | -----           |
| A.P.C Rotating Range                |       |                                                                                 | ±180°           |
| Spindle nose to Rotary Table Center | mm    | 110~510                                                                         | -----           |
| Spindle nose to table surface       | mm    | -----                                                                           | 120~620         |
| Spindle                             |       |                                                                                 |                 |
| Spindle transmission                |       | DIRECT DRIVE / BUILT-IN                                                         |                 |
| Spindle tool holder                 |       | ISO 40(OPT. ISO30) / BT 30(for BUILT-IN)                                        |                 |
| Spindle Speed                       | RPM   | ISO40 : 12000/15000(OPT. ISO30 : 12000/15000/20000/24000) / 30000(for BUILT-IN) |                 |
| ATC                                 |       |                                                                                 |                 |
| Tool magazine capacity              | T     | Arm type : 24 / 30 / 40                                                         |                 |
| Tool shank                          |       | Arm type : ISO30 / 40                                                           |                 |
| Max. tool length                    | mm    | ISO40 : 250                                                                     |                 |
| Max. tool diameter                  | mm    | Arm type ISO30 / 40 : Ø75                                                       |                 |
| (without adjacent tool)             |       | Arm type ISO30 / 40 : Ø150                                                      |                 |
| Motor                               |       |                                                                                 |                 |
| Spindle (Continuous / 30min)        | Kw    | ISO 30 : 3.7/5.5(5.5/7.5) ISO 40 : 5.5/7.5(7.5/11)                              |                 |
| X / Y / Z Axis drive motor          | Kw    | (M)3.5/3/3 (F)4/3/3 (H)6.5/4.5/4.5 (S) 6.5/4.5/4.5                              |                 |
| A Axis motor                        | Kw    | (M)0.5*2 (F)1.4*2(H)1.45*2(S) 1.48*2                                            | -----           |
| A.P.C motor                         | Kw    | 3                                                                               |                 |
| Rapid Feed                          |       |                                                                                 |                 |
| X / Y / Z Axis Cutting Feedrate     | M/min | 1~12                                                                            |                 |
| X / Y / Z Axis Rapid Traverse       | M/min | 48 / 48 / 48(OP.60)                                                             |                 |
| Controller                          |       |                                                                                 |                 |
| Type                                |       | MITSUBISHI / FANUC / HEIDENHAIN / SIEMENS                                       |                 |
| Miscellaneous                       |       |                                                                                 |                 |
| Machine weight                      | kg    | 5900                                                                            | 5700            |
| Coolant tank capacity               | L     | 220                                                                             |                 |
| Dimension (L*W*H)                   | mm    | 2700 * 3850 * 2900                                                              |                 |
| Pneumatic supply                    | kg/cm | 4~6                                                                             |                 |

■ 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.