

**Machine Name : Vertical turning machining center**

**Brand : Youji**

**Machine Model : VTL3500ATC**

**Stock No. : 63189**

**Ex-factory Date : 2018**



**Main Technical Parameters:**

CNC CNC System: Siemens 840DSL

Worktable size:  $\Phi 3500\text{mm}$

Maximum diameter:  $\Phi 4100\text{mm}$

Maximum turning diameter:  $\Phi 3800\text{mm}$

Maximum machining height: 1600mm

Maximum load: 20000kg

Maximum torque: 167,000nm

X axis travel : -1750+2160mm

Z-axis travel : 1500mm

spindle gear: 2

Spindle speed : 1-14/14-60

feed rate X axis: 6m/min,

feed rate Z-axis: 10m/min

remote control box feed rate X, Z-axis: 0-6m/min

Cutting rate: 1-2000mm/min

Main motor power: 58KW

X-axis motor: 7.7KW

Z-axis motor: 7.7KW

Cooling pump motor: 3KW

tools magazine: 16

Maximum Tool size: 280W\*150T\*400L

Maximum Tool magazine capacity: 800kg

Maximum Tool weight: 50kg

glass scale with two axes

Reference instruction



|                                           |                          |
|-------------------------------------------|--------------------------|
| ● Max. Turning Diameter                   | Φ3800 mm                 |
| ● Max. Turning Height                     | 1600 mm                  |
| ● Max. Work-piece Weight Limit            | 20,000 kg                |
| ● Max. Torque                             | 167000(17040) N.m (kg-m) |
| 1.2 Travel                                |                          |
| ● X axis travel (Horizontal of rail head) | -1750, +2160 mm          |
| ● Z axis travel (Vertical travel of RAM)  | 1500 mm                  |
| ● Vertical travel of cross rail           | 1200 mm                  |
| 1.3 Speed                                 |                          |
| ● Main Spindle Speed Shift                | 2 steps                  |
| ● Main Spindle speed (Turning)            | 1~14 min <sup>-1</sup>   |
|                                           | 14~60 min <sup>-1</sup>  |
| ● Feed Rate (X axis)                      | 6 m/min                  |
| ● Feed Rate (Z axis)                      | 10 m/min                 |
| ● Manual Feed Rate (X, Z axis)            | 0~6 m/min                |
| ● Cutting Feed Rate                       | 1~2000 mm/min            |
| 1.4 Motor                                 |                          |
| ● Main Motor                              | 58/69.6 kW ※             |
| ● X axis Servo Motor                      | 7.7 kW ※                 |
| ● Z axis Servo Motor                      | 7.7 kW ※                 |
| ● Coolant Pump Motor                      | 3.0 kW                   |
| 1.5 ATC Tool Magazine                     |                          |
| ● Tool Selection                          | Adjacent                 |
| ● Number of Tool Position                 | 16 Tools                 |
| ● Max. Tool Size of ATC                   | 280Wx150Tx400L           |
| ● Max. Loading Weight of ATC Magazine     | 800 kg                   |
| ● Max. Tool Weight                        | 50 kg                    |
| ● Max. Tool Change Time (Tool to Tool)    | 60 sec                   |



