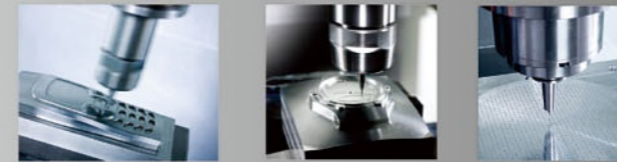




Respect, Teamwork, Innovation, Service

# VT Series



## HIGH SPEED DRILL/TAPPING MACHINE CENTER **VT500**





# VT Series



VT500

## VT500 HIGH SPEED DRILL/TAPPING MACHINE CENTER

The achievement of Takumi's innovation and technology-

The perfect performance of high speed and high accuracy.

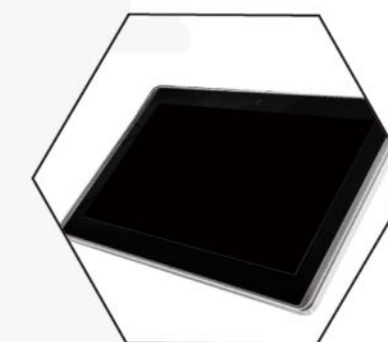
TAKUMI R & D team to adhere high speed performance design concept of 3C and auto parts industry, to successful development of a new generation of high-performance drilling and tapping machine, effectively enhance the quality of the light and rapid cutting, excellent high-speed drilling and tapping. Maximize your working efficiency and benefits.



Smart Phone



Computer parts



Tablet PC



Parts working

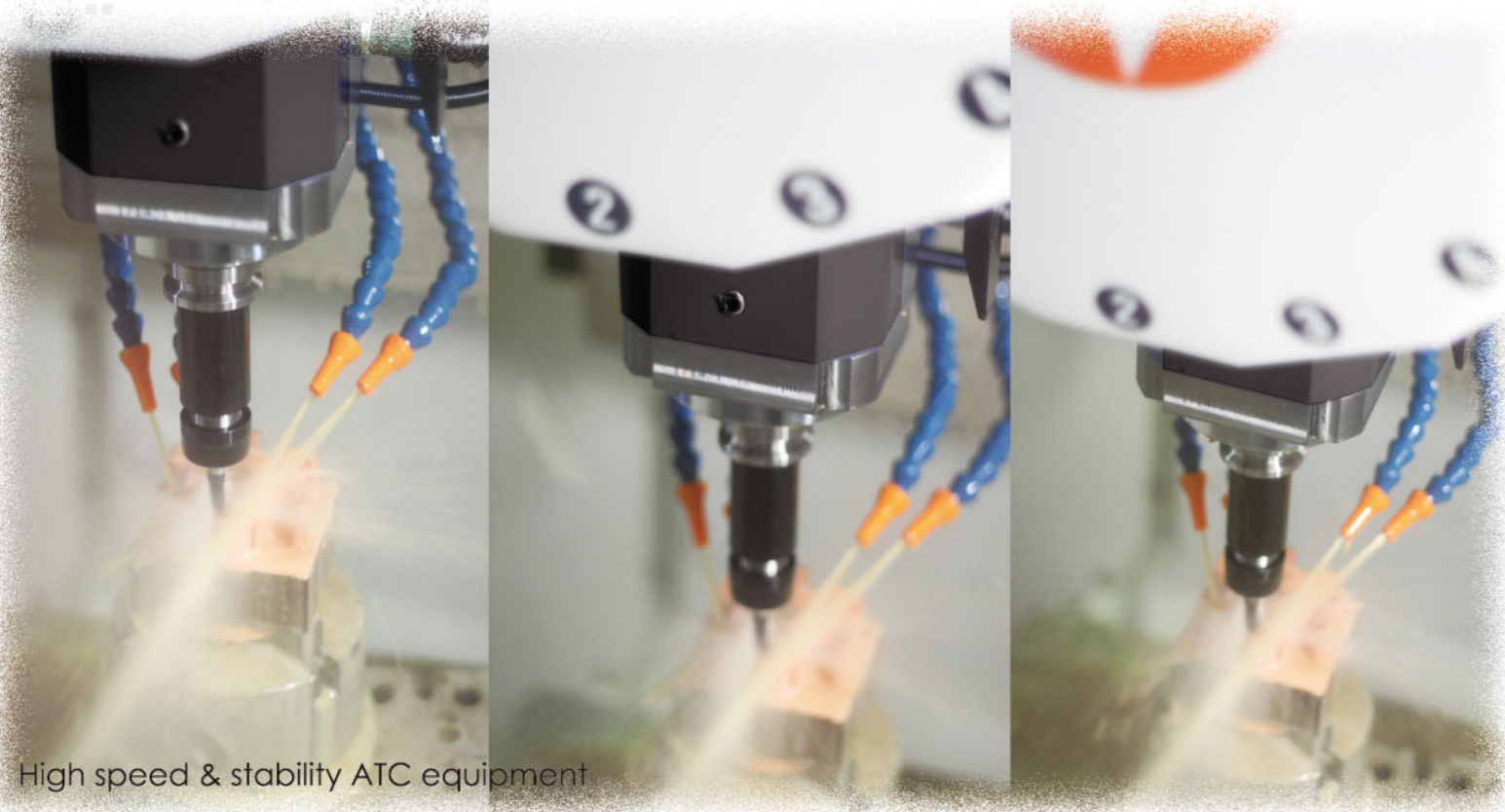


Auto Parts and Accessories



- ◆ Standard spindle 12,000rpm  
Optional spindle 20,000rpm
- ◆ Rigid tapping 4000rpm
- ◆ Spindle taper BT30
- ◆ 3 axis feedrate 48/48/48 m/min  
(Mitsubishi Specification only)
- ◆ High speed ATC system (T-T:1.5 sec)
- ◆ Direct drive type spindle
- ◆ 3 axis high speed linear guide way
- ◆ Minimum floor space  
Machine width only 1,800mm ·  
Reduce the use of area, saving the cost.





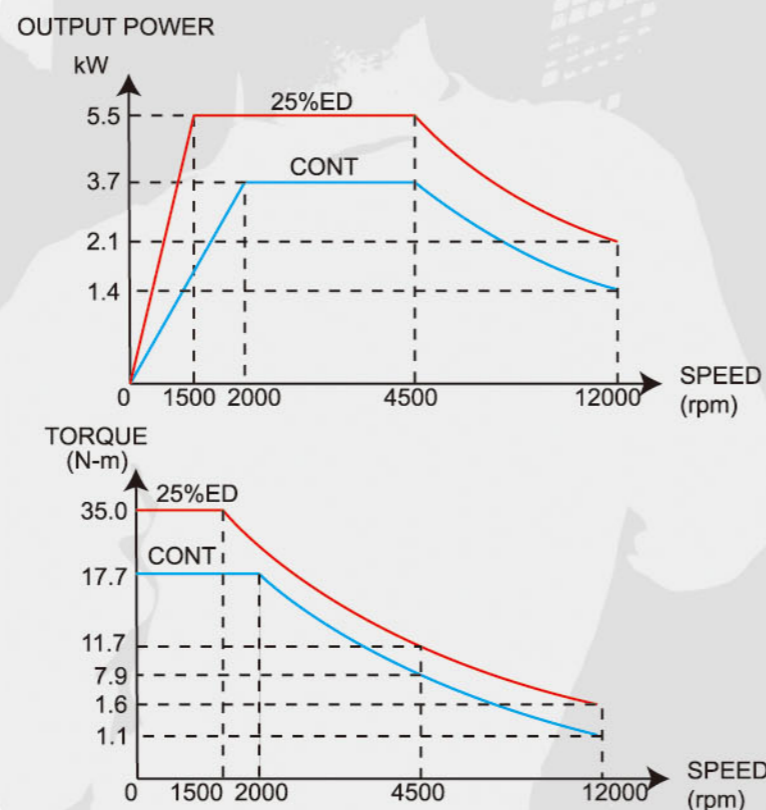
High speed & stability ATC equipment

- ◆ Tool change time (T-T): 1.5 sec
- ◆ Simple structure, stable and reliable, reducing non-cutting time, enhance the use of machine performance.

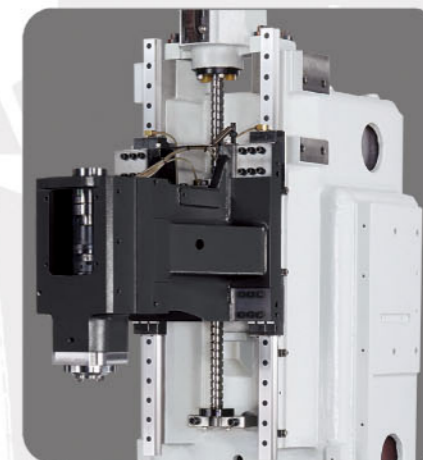


Direct drive spindle  
12000rpm(Std)/20000rpm(Opt)

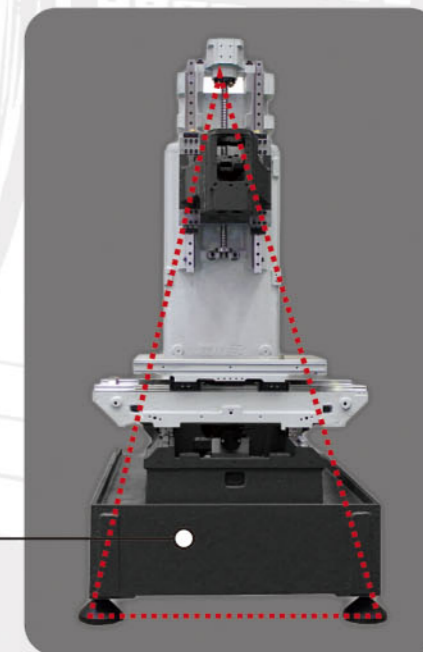
- ◆ The spindle is directly driven by a motor without noise, backlash or vibration problems, which usually occur on belt or gear-driven spindle.
- ◆ The direct drive spindle design provides higher motor efficiency.



- ◆ All of 3 axes are equipped with high precision linear guide ways.
- ◆ Bed, table, column, beam, saddle and other main casting are made of Meehanite grade cast iron and released the stress by heat treatment.
- ◆ Box shape bed ensures the best structural rigidity. Columns are made of one piece casting.
- ◆ 3-axis ball screws are drove by coupling, which enhances the rigidity and positioning accuracy.
- ◆ X/Y/Z axis ball screws and linear guide ways are lubricated by centralized automatic lubrication system (oil type).
- ◆ Wider front door opening makes workpiece easier to be loaded and unloaded.
- ◆ Full enclosed splash guard provides safety during operation. (Optional)



Rigid Headstock



**A type Stability Constructure**

Combined with high rigidity large base span column, which offer absolute stability and accuracy. The low gravity center strengthens the structural rigidity of the machine base. Reduces vibration during cutting.



