



IMTS2018

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FORTUNE PRODUCTS PRESS RELEASE

Vturn-NP16CM CNC lathe with Easyway Robot

Vturn-NP16CM CNC lathe is equipped with a 6" 3-jaw hollow hydraulic chuck, C-axis, BMT-45 live servo turret (12 live tools). Standard rear discharged chip conveyor is good for automation. Optional of right discharged chip conveyor.

Roller type linear guide ways and Meehanite casting one-piece slant bed with the rapid feed rate of 1181 /1181 ipm for both axes.

Machine width is only 63" with standard Fanuc spindle motor to save floor space.

Easyway Robot is seated on the slide ways of the tailstock (which has been removed from the lathe), this robot (parts catcher) has 3 servo motors to rotate the arms and grippers to transport the parts between work feeder and chuck. The max. parts weight is 6.6 lbs with the max. part diameter is 4.7", length is 4".

Work Feeder consists of 10 pallets and each pallet size W 6.7" x H 15.7" to load 120 (12 x 10) pieces of parts with max. diameter of 1.65". Different holes on such a pallet can be specified easily. The turnover-station has installed into this cell.



Vcenter-P136 Vertical Machining Center

Vcenter-P136 Vertical Machining Center is with the travel of 53.54" x 27.56" x 27.56" and table size of 55" x 28". The standard Fancu spindle motor with 12000 rpm and BCV-40 (BigPlus CT-40) spindle. **Fanuc Oi-MF (10.4")** with Manual Guide i + **AICC-2** (200 blocks) + **VSS** (Victor Smart System macros) for user friendly operation.

Roller type linear guide ways and Meehanite casting one-piece slant bed with the rapid feed rate of 1260 /1260 / 1260 ipm for all axes.

30-tool magazine standard with double arm tool changer and a cover underneath of the magazine to block the chips get into the magazine when 1000 psi coolant is used.



Vturn-Q200 Multi-tasking Turning Center

Twin spindles with 33.5 HP build-in Fancu spindle motors.

Innovative 3-turrets for quick and quantitative production with less floor space. Three of BMT-55 type milling turrets with Y-axis. This IMTS is showing the T2Y2 model with upper-lower turrets both with Y-axis.

Turning Center with 48 live tools (3-turret model) for both OP-10 and OP-20 machining applications at quicker tool exchange compared as multi-tasking lathes with ATC.

Robotic parts catcher for unmanned automation is by linking the machine to either a bar feeder of work feeding system for either manual collection or by a part receiver to form an unmanned machining line.

Victor Taichung's NC package with 15" LCD included as standard for 3 turret models. The 3D cutting simulation can be executed in Manual Guide I and 2D on-line cutting on both spindles can be done simultaneously. Fancu "air bag" function has been integrated into NC package to minimize damage caused by faulty operation.

Minimizing the cutting time difference between OP-10 and OP-20 to balance cutting tempo and maximizing the turning length on twin-turret lathes when deep hole drilling is required.

Fancu α (alpha) type motors (instead of β type) are used for feed axes to assure quickest response for high performance.



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