

Microcut machining Center type TT-Series

Best
Quality



MICROCUT CNC bridge type machining center TT-40 equipped with twin table system, perfect size for mold industries and mass production when using multiple fixture. The machine working program is similar to a pallet changer machine but enhanced with much higher loading capacity and rigidity. With the table combination software and its mechanical loading system, the machine features long table for the multiple applications used in job shops.

Load / unload one table while another table is in working zone which prevent the inherent problems of pallet changers. A safety system is provided. With Fanuc 21iMB or 18iMB control, the two tables can also be combined and work as a big working surface (with 2-servo drive function).

Distinctive features:

- High-speed spindle available with direct drive spindle
- The spindle is loaded under high precision bearings to ensure a high accurate cutting
- Heavy ribbed throughout for excellent mechanical and thermal stability
- One piece Meehanite base
- All casting have been treated dynamically stress release
- Roller type - 45 give high speed movement and also loading capacity
- C3 double nut high class ballscrew
- Two tables driven by separate ballscrew
- All linear way contact surface scraped to achieve the highest mounting surface
- Well protected guarding system
- Automatic tool changer 24 stations
- Easy chip removal system

Standard equipment:

- CNC controller and spindle & servo motor package
- 10000rpm spindle speed
- Automatic lubrication systems
- Coolant system
- Halogen work light
- Tool kit, leveling bolts, pads and nuts
- 24 tool arm type ATC
- Fully enclosure splash guard
- RS232 port
- Portable MPG
- Lamp of cycle finish & alarm
- CE marking declaration conformity for EU

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Optional equipment:

- Heidenhain iTNC530 or Siemens 84DE sl control
- Enlarged spindle motor 15/18,5 kW with CTS functions
- Top cover (CTS functions)
- 15000rpm in-line spindle
- Built-in 18000rpm/24000rpm spindle
- Coolant through spindle with high-pressure coolant pump
- 32 or 40 station arm type ATC
- Oil skimmer
- Heat exchanger
- Side door
- Chip conveyor
- Transformer



Spindle & head

The standard high speed 10000rpm ISO40 taper spindle supported by high precision P5 angular contact spindle bearing.



Easy chip removal system

The wash down system with high pressure coolant system bring the chips to chip draw (std.) or chip conveyor (opt.).



ATC

The 24 station (std.) CAM-mechanism type, automatic tool change accepts ISO40 taper tooling. Machine will take long & heavy tools 300 mm. Tool loading is located at rear side of machine convenient for operation load/unload tooling. The 32 or 48 station (opt.) chain type ATC are on request.

		TT-40
Table size - twin table	mm	1000 x 1100
Max. table load	kg	1000
Table travel in work zone X and U axis	mm	2150 / 2190
Saddle travel - Y axis	mm	1100
Head travel - Z axis	mm	750
Spindle taper		ISO40
Spindle speed	rpm	10000 (15000 opt.)
Main motor (conti./30 min)	kW	11/15
X/U/Y/X rapid feed	m/min.	40
X/U/Y/X cutting feed rate	m/min.	10
Guideway type		Linear way (roller)
Automatic tool changer arm type		24 / 32
Max. tool length	mm	300
Max. tool diameter	mm	150
Floor space requirement	mm	6500 x 5000
Weight machine	kg	18000