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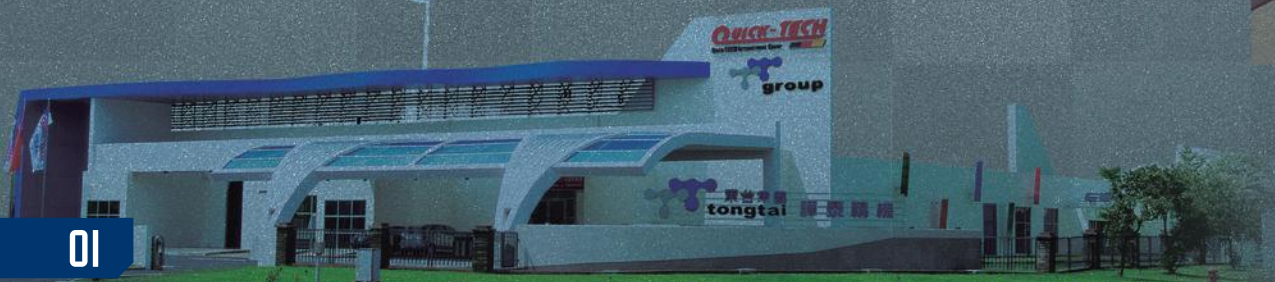
blue
technology



CNC MACHINETOOLS
MANUFACTURING

Total solution for engineering Integration

www.quicktech.com.tw



Company Profile & Product introduction



Advanced automation from concept to reality

This year, we are proud to announce a major and positive step in our production line up.

From the beginning, we have strived to produce machine tools that are conceptually unique in both design and performance.

Much time has been spent on research and development to produce technically advanced, yet conceptually different, multi-axis CNC lathes, that will not only compete in the world market, but can out perform machine tools from more traditional manufacturers.





T8 Hybrid-Y

Flexible **duo** system Speed / Flexibility / Performance
simultaneous

Cycle time can be saved up to **45%**

Turning concept revolution

T8 Hy



Feature

- ◆ Turret and Gantry tower combination
- ◆ Mitsubishi M800 high-end controller(opt. Fanuc)
- ◆ Main and sub spindles with synchronous function and C axis
- ◆ Up to 24 live tools with powerful motor
- ◆ Double processes with milling function and Y axis on both channels
- ◆ 25 bar coolant pressure
- ◆ B axis is free angle continuous machining

Highlight

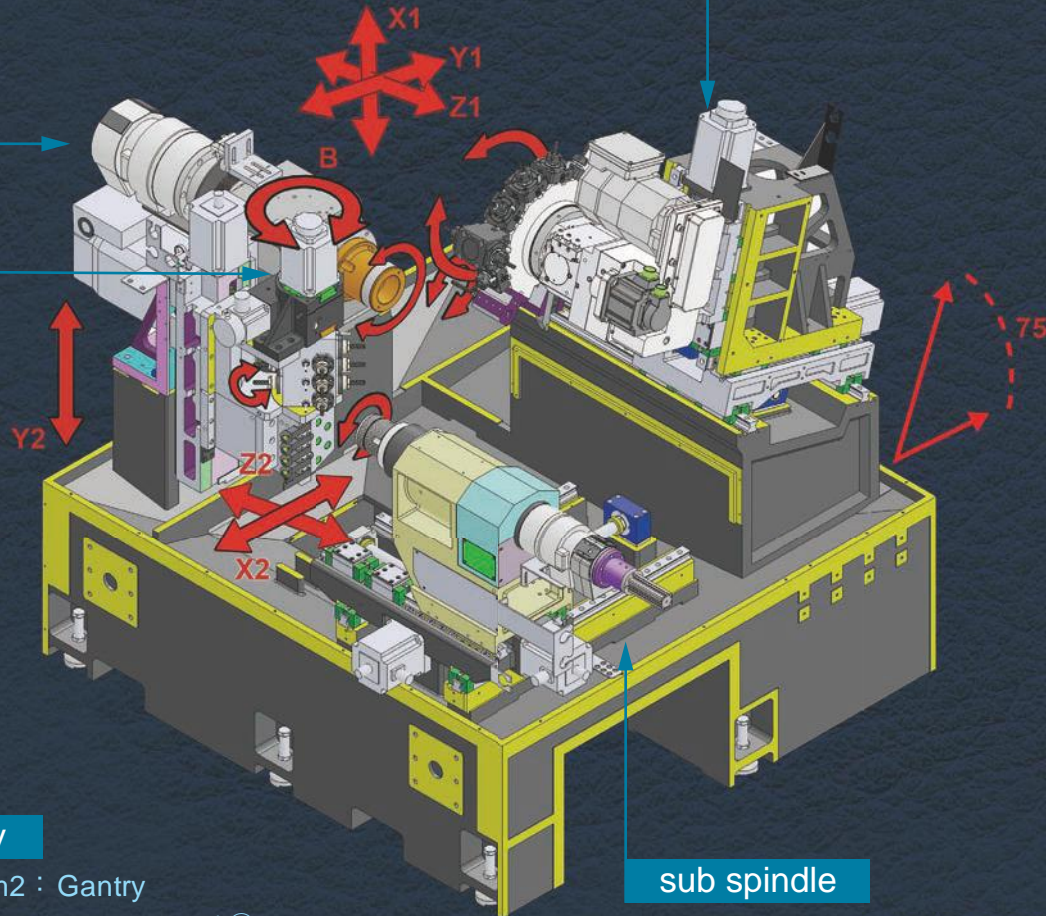
- ◆ Integrated spindle drive with 4,000 rpm for the main and sub spindle
- ◆ Power turret with 12 stations for rigid machining on main spindle
- ◆ Flexible gantry tooling with rotary table class - B axis for machining on sub spindle
- ◆ Double process running simultaneously
- ◆ Machine can totally upload 38 tools
- ◆ Tool probing is easy use
- ◆ Y axis enhances the multi-tasking live tooling capabilities

Main Spindle

- Main Spindle Nose : A2-6
- Chuck Size : KK6-185E60B
- Max. Bar Working Dia. : 65mm
- Max. RPM. : 3000rpm (4000rpm)

Turret

- System1 : BMT-55 Power Turret
- Tool Holder : □25mm / ○25mm / ○32mm
- No of Tools : 12

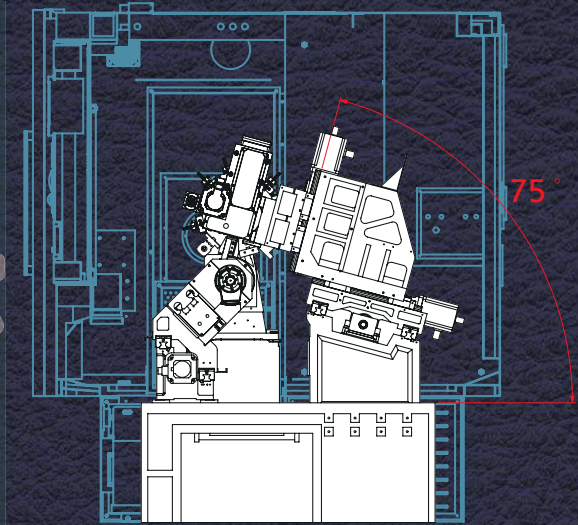


Gantry

- System2 : Gantry
- Tool Holder : □20mm / ○20mm
- No of Tools : ODx5 / IDx9 / LiveToolx12
- B Axes (Option) : 360°

sub spindle

- Sub- Spindle Nose : A2-5
- Chuck Size : KK5-173E42B
- Max. Bar Working Dia. : 30mm
- Max. RPM. : 4000rpm (6000rpm)



The turret is mounted on a secondary 75 degrees wedge saddle on top of the X1 axis slide from one - piece casting. Both X1 & Y1 axes have extra wide hardened and linear ways to assure the rigidity and accuracy.

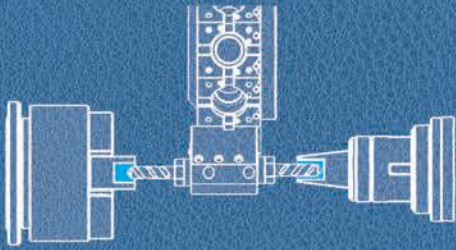
Y1 axis control further enhances multi-tasking live tooling capabilities and improves various machining precision.

With Y-axis travel 80 mm(=±40mm) , a wide variety of parts can be efficiently machined.

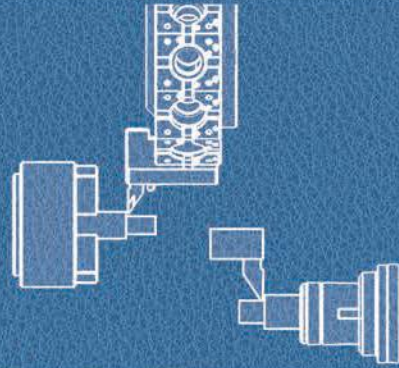
Machining applications

T8 Hybrid-Y

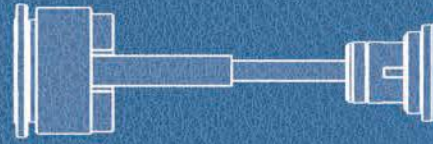
1 Twin Spindle superimposed machining



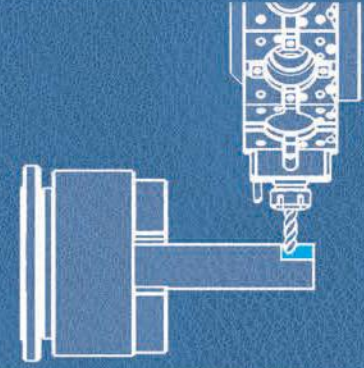
2 Simultaneously Double Process Running



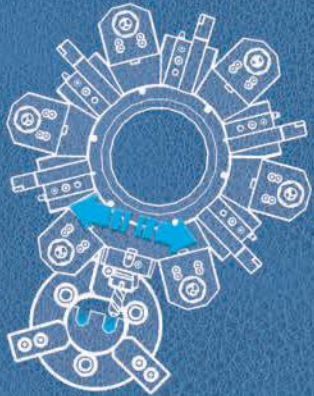
3 Long work-piece machining



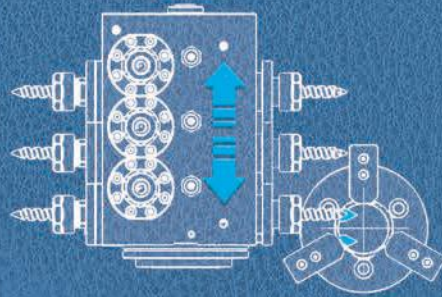
4 Live tool milling on main spindle



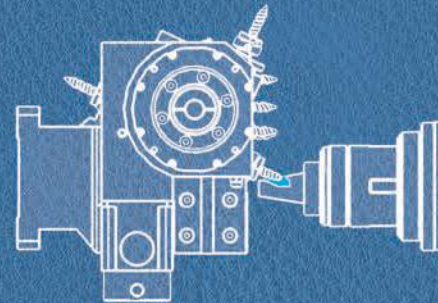
5 Y axis milling on main spindle



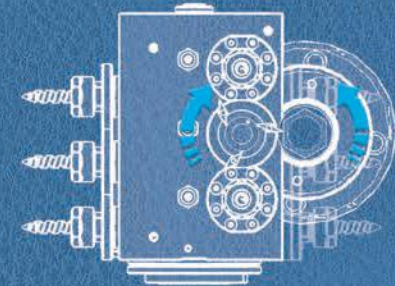
6 Off-center milling on sub spindle



7 Tapping or drilling by free Angle B axis on sub spindle



8 Polygon Generating Cutting



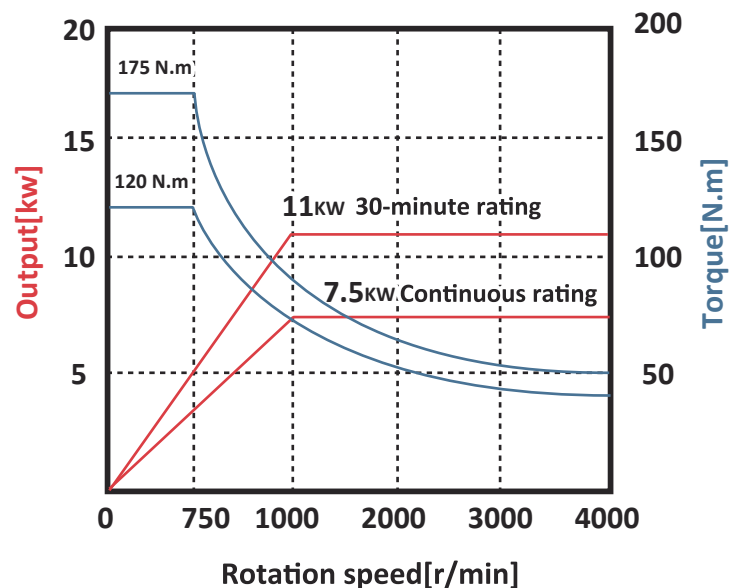
Flexible duo system simultaneous

Cycle time can be saved up to **45%**

The system allows running
2 programs simultaneously

With available heavy duty power turret, flexible gantry tools for sub spindle and C-axis capabilities, milling and turning applications is completed in one single machine.

They are ideal for producing complicated and single parts in high production demand.



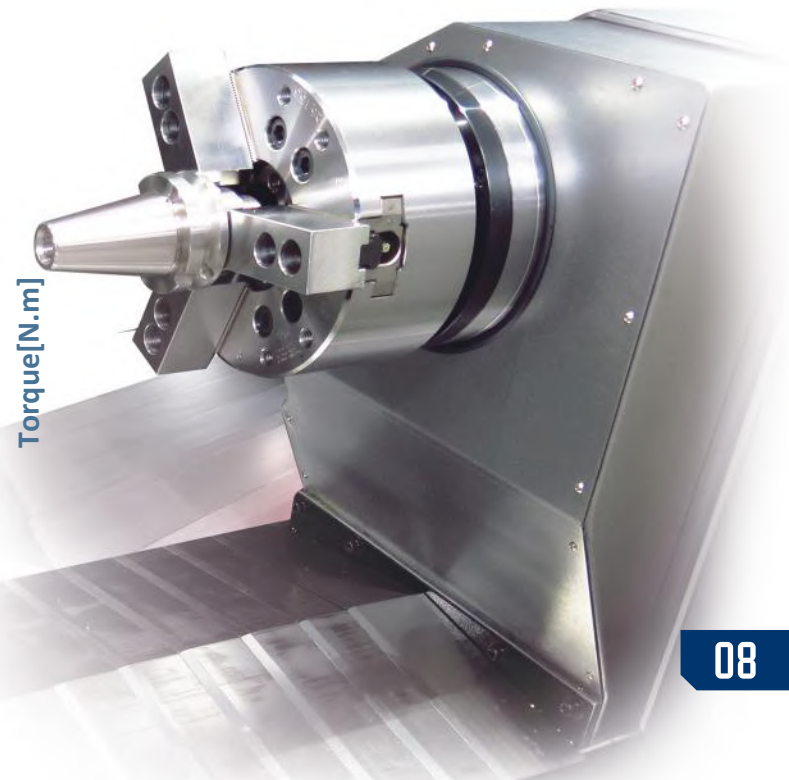
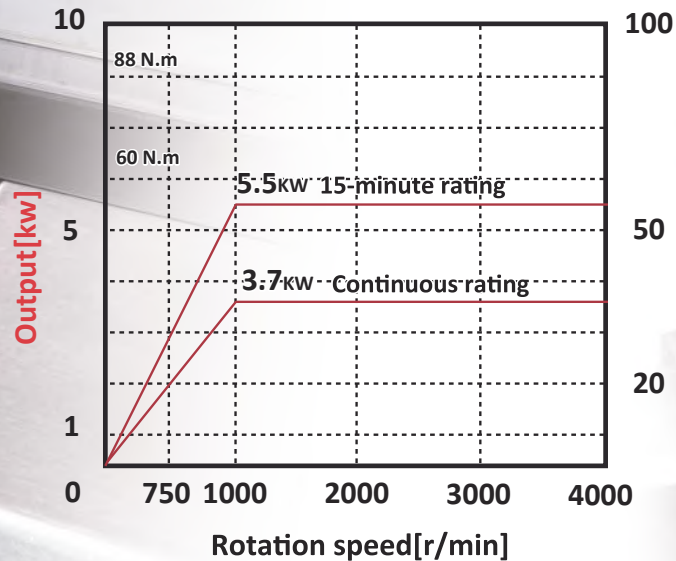
Mitsubishi
AC Servo 11 kw

A2-6 main spindle
with **66 mm bore**

The cartridge type spindle runs on P4 high precision bearings giving high radial and axial stability, allowing for heavy duty cutting. The spindle is assembled and tested in a temperature controlled clean room, sealed, and requires no maintenance.

The spindle housing is large, and symmetrically ribbed to allow heat dissipation and thermal stability.

Mitsubishi AC Servo **3.7** kw A2-5 sub spindle with **31** mm bore



Gantry Tooling

more flexible more functions

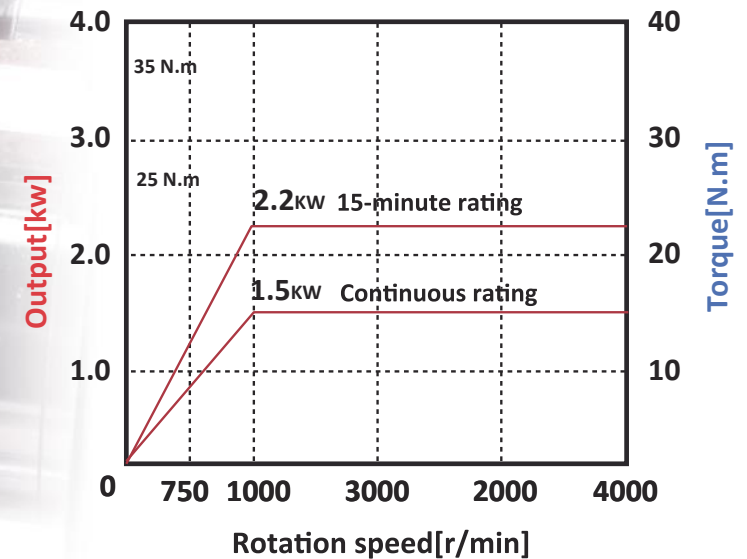
The unique gantry tooling system is extremely flexible. The standard tooling system allows for 5 external tools, 9 internal tools and 12 live tools.

The ER20 spindles are gear driven, with rigid tapping as standard. Up to 26 tools load for machining

B-Axis
Free angle

Tilting drilling
and tapping

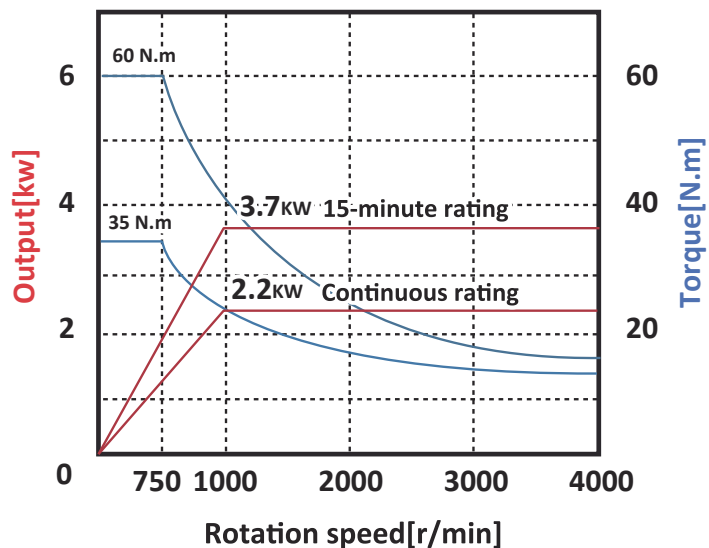
12 live tools
with **1.5** KW



BMT-55 Power Turret

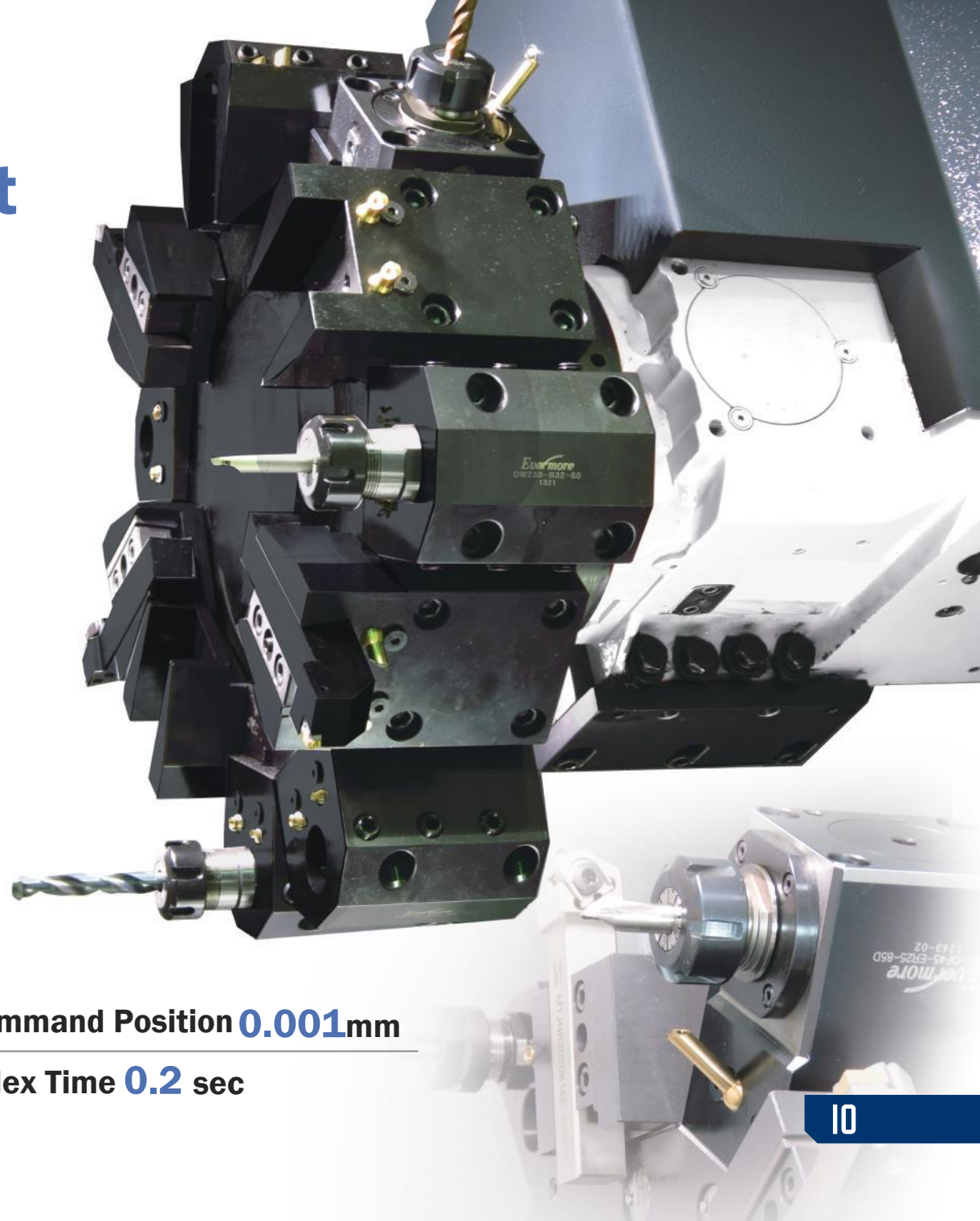
Turret with 12 stations can be additionally equipped with driven tools on six stations. In connection with the driven tools, the main spindle is C-axis functional for accurate positioning.

12 live tools with **3.7 KW**
Motorized Tool **4000rpm**



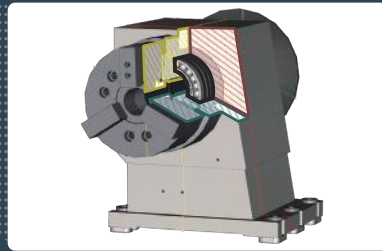
Command Position **0.001mm**

Index Time **0.2 sec**



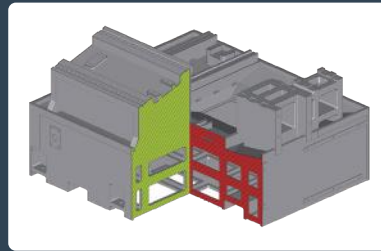
T series

TARGET
Machine Character



P4 class preload spindle bearing

Preload bearings are offered for the maximum attachment effect



Robust FC35 Meehanite Casting

Harden over HRB 190 and tempered to relieve stress.



The modern slant-bed design

ensure easy chip disposal and heat elimination.



Heat Exchanger

Characterized by its compact design and high thermal efficiency.



Bar Feeder

Short and Long Bar Feeder are available

Chip Conveyor

Standard and high type depends on your production request



Mitsubishi controller

Fanuc controller



Roller Guideway

The machine is equipped with high precision HIWIN 35mm Linear guideways. Increase the stability and accuracy, allows heavier cut to be achieved.



LED Extended display

Easy monitor status of the machine



Oil Skimmer

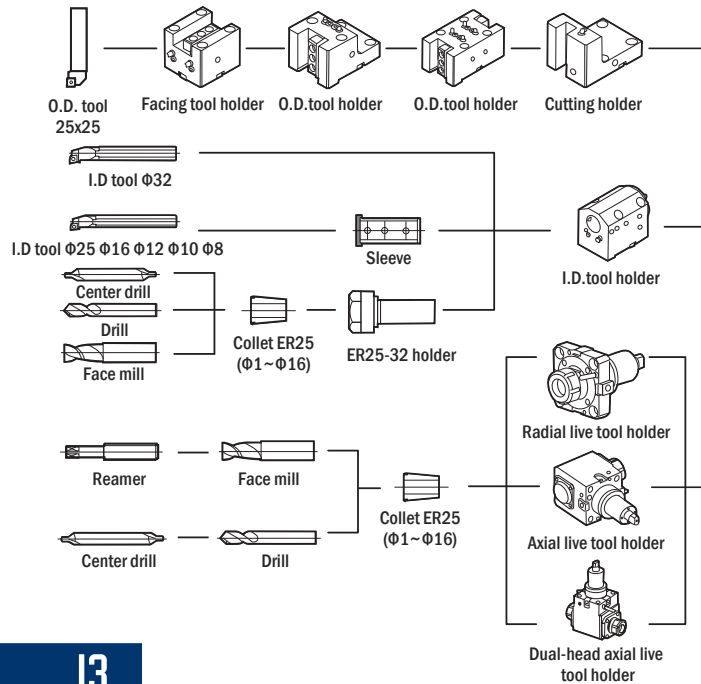
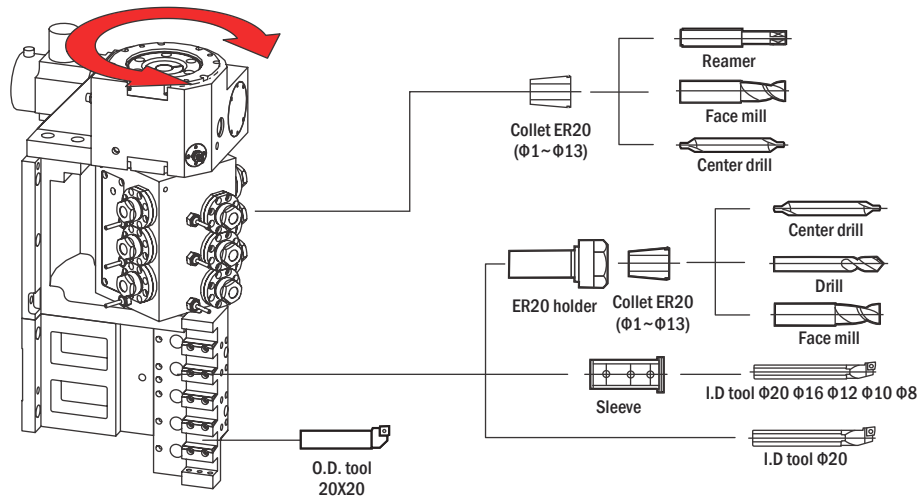
Designed for jobs that require high capacity oil removal



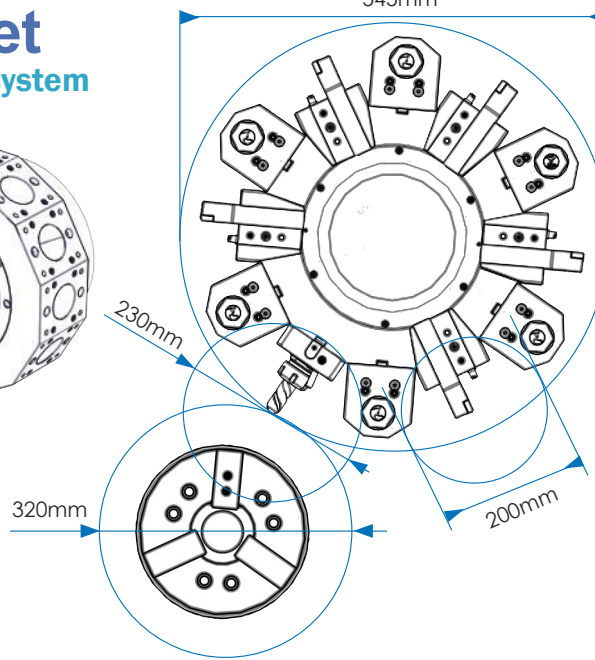
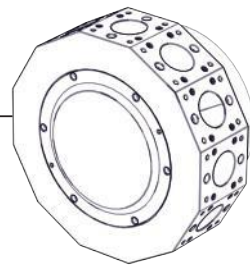
Mist Collector

Highly efficient mist and smoke collectors

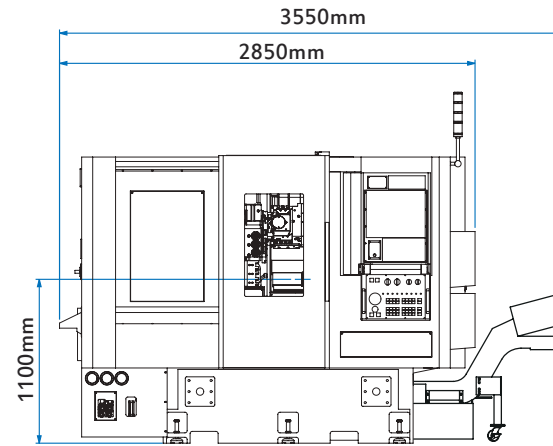
Gantry Tooling system



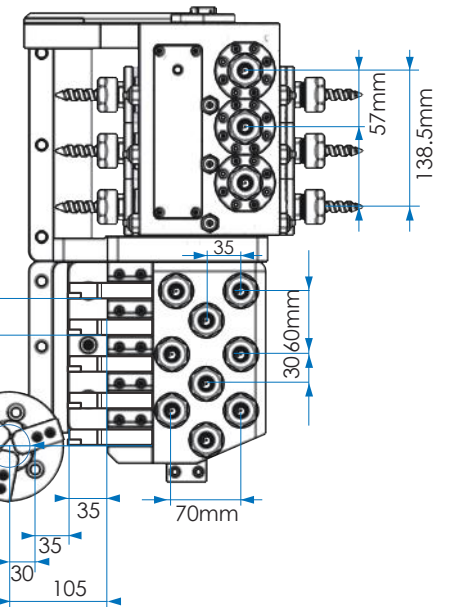
Turret Tooling system



External view



Gantry Tooling interference

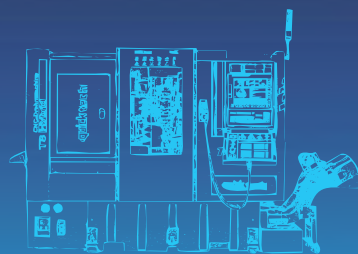


Specification.

T8 Hybrid-Y (Hybrid-Yaxis)

| | | | | | | | |
|-----------------------|------------------------|---------------------------|------------------|----------------------------------|---------------------------------|--------------|--------------------|
| Mitsubishi Controller | | M830S | | | | | |
| Main Spindle Capacity | Swing over Bed | 500mm | ATC System | Y2 Axis Linear Guide Way | 25mm | | |
| | Swing over cross slide | 300mm | | Rapid Feed | 30m/min | | |
| | Max. Turning Dia. | 300mm | | Repetition Accuracy | 0.005mm | | |
| | Max. Bar Working Dia. | 65mm | | System 1 | BMT-55 Power Turret | | |
| | Max. Turning Length | 200mm | | No of Tools | 12 | | |
| | Chuck Size | KK6-185E60B | | Tool Holder | □25mm / ○25mm / ○32mm | | |
| | Main Spindle Nose | A2-6 | | System 2 | Gantry | | |
| | Main Spindle Bore | 66mm | | No of Tools | OD*5 / ID*9 / LiveTool*12 | | |
| Max. RPM. | 3000rpm (4000rpm) | B Axis (option accessory) | 360° | | | | |
| Sub-Spindle Capacity | Max. Turning Dia. | 100mm | Tool Holder | □20mm / ○20mm | Motor | Main Spindle | Servo Spindle 11kw |
| | Max. Bar Working Dia. | 30mm | Sub Spindle | Servo Spindle 3.7kw (5.5kw) | | | |
| | Chuck Size | 100mm | X1/Y1/Z1 Axis | AC Servo 2.2 / 1.5 / 1.5kw | | | |
| | Max. Turning Length | KK5-173E42B | X2/Y2/Z2 Axis | AC Servo 1.5 / 1.5 / 1.5kw | | | |
| | Sub- Spindle Nose | A2-5 | Hydraulic System | Pump Spec/Capacity | | 1HP / 40L | |
| | Sub- Spindle Bore | 31mm | | Hydraulic Pressure/ Flow | 30 kg/cm ² / 12L/min | | |
| | Max. RPM. | 4000rpm (6000rpm) | Lubrication | Pump Spce/Capacity | 25W / 2L | | |
| C Axis | Least Command Unit | 0.001° | | Max. Pressure | 15 kg/cm ² | | |
| | Positioning Accuracy | 0.02° | Coolant System | Pump Spec | TPH4T5K, 5Bar, 75 L/min | | |
| Tavel & Feed | Slant Bed Degree | 75° | | High Pressure Pump Spec | SF-30C, 25Bar, 30L/min | | |
| | X1/Z1 Axis Travel | 150mm / 380mm | | Coolant Tank Capacity | 240L | | |
| | Y1 Axis Travel | 80mm = ±40mm | Machine Size | Length without/with Chip Coveyor | 2850mm/3550mm | | |
| | X2/Y2/Z2 Axis Travel | 470mm / 380mm / 280mm | | Machine Width/Height | 1950mm/1970mm | | |
| Axes | Ball screw | φ32×P10 | | Machine Weight | 6100 kg | | |
| | Linear Guide Way | 35mm | | | | | |

() Option



— the art of turning —



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