

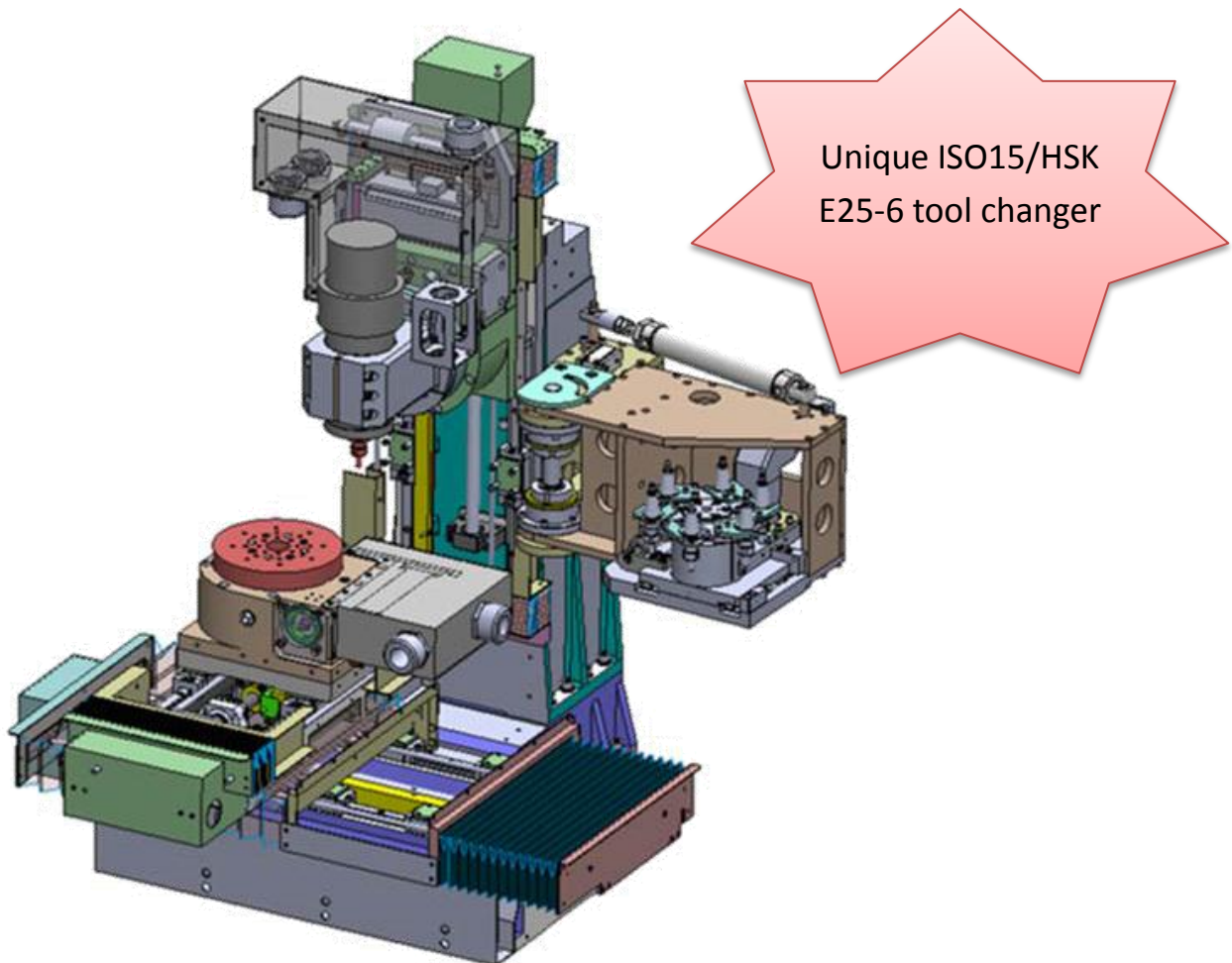
Mini 5-axis Engraving & Milling Machine

GTW-VMC-150 Series



Compact yet powerful

- Compact design, occupies less than 3m². The tool magazine, cutting fluid system and spindle cooling system are all integrated in the machine tool base.
- Unique tool changing mechanism allows changing of 6 tools within the limited space.
- Automatic circular arc door design suitable for automatic loading and unloading with external robotic arms in production line.



Excelling visibility & enclosure design

- Large-sized windows allow users to monitor the processing area from both sides. The two arc doors can be used for automatic loading and unloading.
- Integrated design concept of both 3-axis and 5-axis modularized structure achieve optimum enclosure utilization.



Processing area

GTW-VMC-150 Series

X/Y/Z axis travel mm

Rotating table

300 / 150 / 200

Table dimension mm

Φ150

Maximum loading Kg

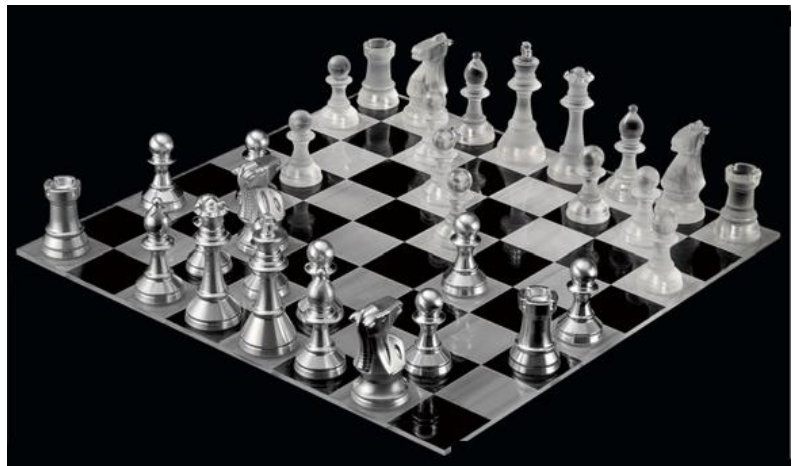
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Work piece dimension mm

Φ100x100

5-axis training & prototyping instrument

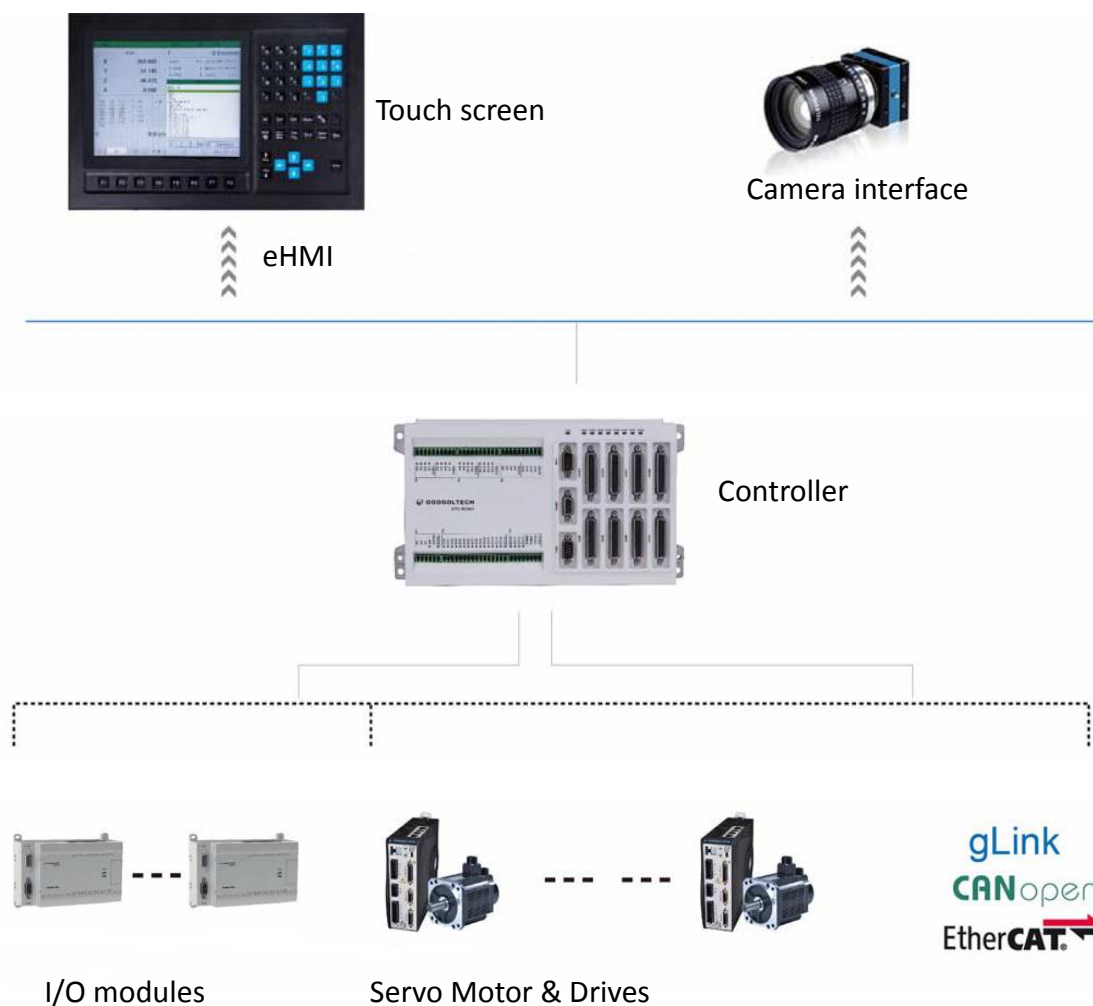
- GTW-VMC-150 Series is compact in size, lightweight and with large selection of accessories. It is suitable for 5-axis CNC operators training to get familiar with aluminum alloy, copper alloy or other non-metallic materials processing technique. Moreover, it can also be used for 5-sided processing and rapid prototyping. It provides product developers a more economical and efficient training and prototyping tool.



Googol Open Architecture CNC System

It is based on fail-safe WinCE O/S platform to satisfy real-time, security and stability requirements. It also supports processing code generated by UG, MASTERCAM, VisiCAM and other CAD/CAM software.

- ✧ Flexible HMI configurations
- ✧ Support remote network access and maintenance
- ✧ Support network variations
- ✧ Facilitate the realization of intelligent manufacturing and production management



Rotating Workbench

Workbench	mm	Φ150
Maximum loading	kg	10
Maximum work piece size	mm	Φ100
Maximum work piece height	mm	120

Spindle Drive (Standard)

Rotation speed	rpm	30,000
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Tool Changing System

Tool handle		ISO 15
Tool magazine	position	6 / Carousel style

Linear Axes

X / Y / Z travel distance	mm	300 / 150 / 200
Feed / fast forward speed	m/min	15/30

Rotating Axes

B / C travel distance	degree	-90~+110/360
Feed / fast forward speed	rpm	50

Mechanical Parameter

Space needed (including crumb removal & cooling system)	mm	1,500 x 1,500
Machine height	mm	1,200
Machine weight	kg	1,000

Control system

5-axis CNC system		Googol 5-axis CNC
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GTW-VMC-150-E
Education VersionGTW-VMC-150-A
Advanced Version**Drilling & Tapping Spindle Accessories**

Wan-Tsu WT80.30K-25HYTE spindle	◎	●
Cooling system	◎	●
Tool magazine system	◎	●
ISO15 tool	◎	●

Drilling & Tapping Spindle Accessories

Cooling system	◎	●
Cutting cooling system	◎	●
Tool measuring sensor	◎	●
Renishaw linear encoder	◎	●

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