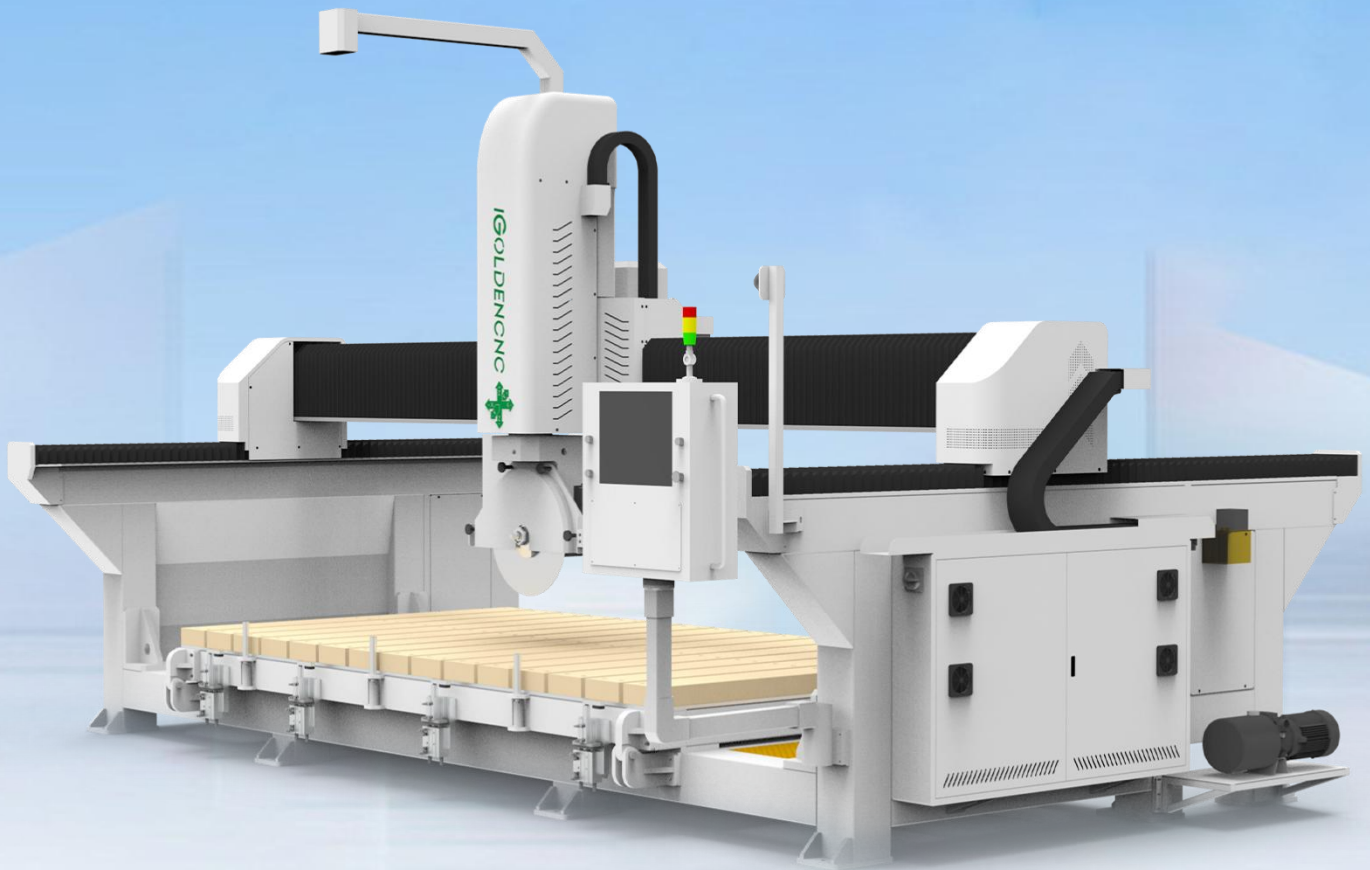


TECHNICAL PROPOSAL



iGS-B (Pro) 5-Axis CNC Bridge Saw

Quote Form

Name	Quantity	Price
5-Axis CNC Bridge Saw	1	

Contact Information

Sales Manager	
Contact Details	
Company Name	SHANDONG IGOLDEN GROUP Holding Corp.
Factory Address	Economic Development Zone, Yuhuangmiao Town, Shanghe County, Jinan City, Shandong Province

Payment method: 30% advance payment, 70% balance due before shipment.

Delivery time: Generally 40 working days after receiving the advance payment.

After-sales support: Provide customers with free online after-sales service for life.

Warranty: The whole machine parts are guaranteed for 12 months. If the damage is caused by non-human reasons, we will provide accessories free of charge and bear the freight free of charge.

Testing and debugging: After the machine is completed, we will take detailed photos and working videos. When you are satisfied with the machine, pay the balance.

● Company Profile

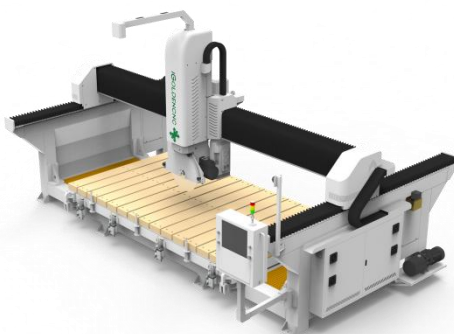
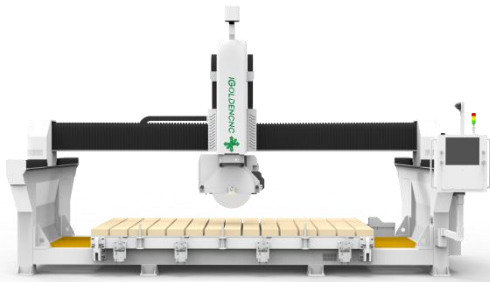


Shandong IGOLDEN GROUP Holding Corp. founded in 2012, it is a comprehensive group company integrating laser, CNC technology research and development, equipment manufacturing, sales and after-sales, foreign trade import and export, and e-commerce. The group's products cover industrial laser equipment, CNC engraving machines, panel furniture production lines, solid wood furniture production lines, and supporting application equipment. The group currently has more than 500 employees at home and abroad, and relying on the two major business models of e-commerce platforms and digital marketing, it has created a complete sales channel and service network worldwide.

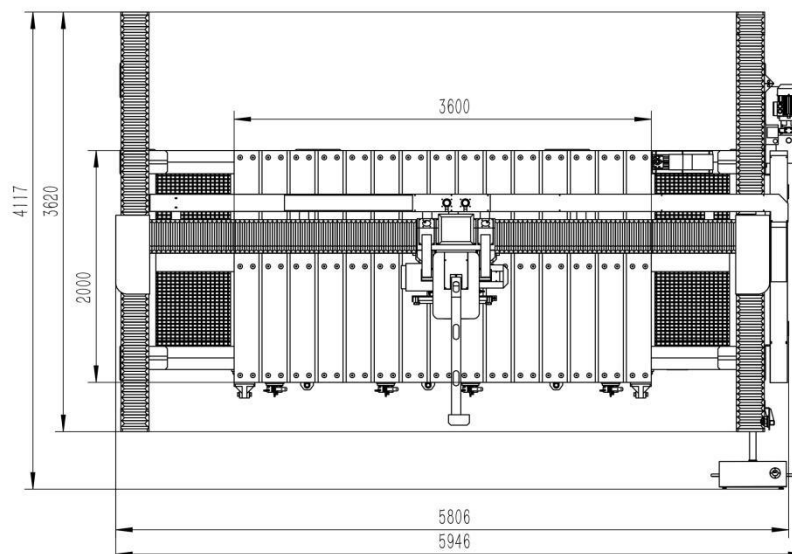
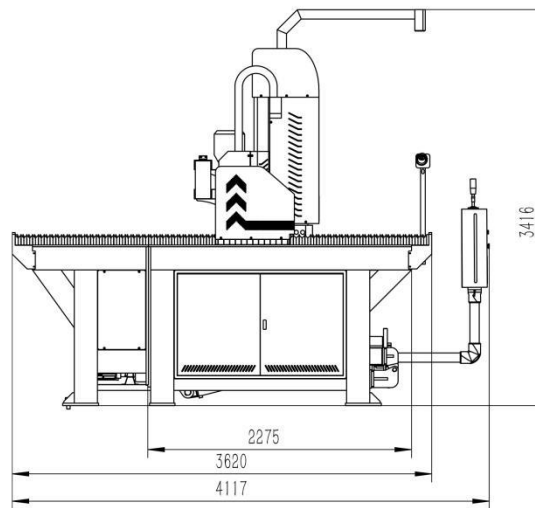
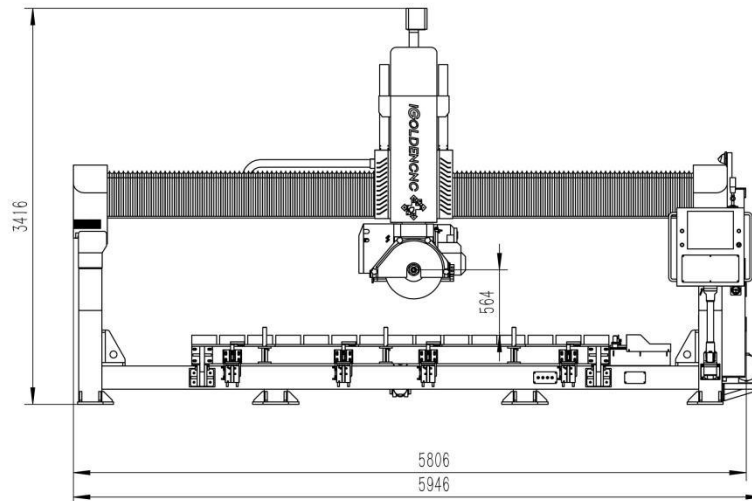
We strictly follow the perfect production and testing service process to ensure product quality and delivery timeliness. We are committed to providing high-quality products and services to global customers.

● Product Overview

IGS-B (Pro) 5-Axis Stone Bridge Saw is a high-end intelligent processing equipment deeply customized for the stone industry. Featuring an innovative 5-axis linkage structure, heavy-duty steel frame, and military-grade precision transmission components, it efficiently processes various hard materials including quartz, sintered stone, granite, and marble. Designed with multifunctional integration and intelligent operation at its core, this machine enables end-to-end processing—from basic cutting to complex 3D contouring—through a unified CNC system. Significantly reducing manual dependency, it delivers a material-saving, time-efficient, and labor-saving all-in-one solution for applications ranging from small stone workshops to large-scale architectural projects.



● **Product Dimensions (iGS-B3620pro)**



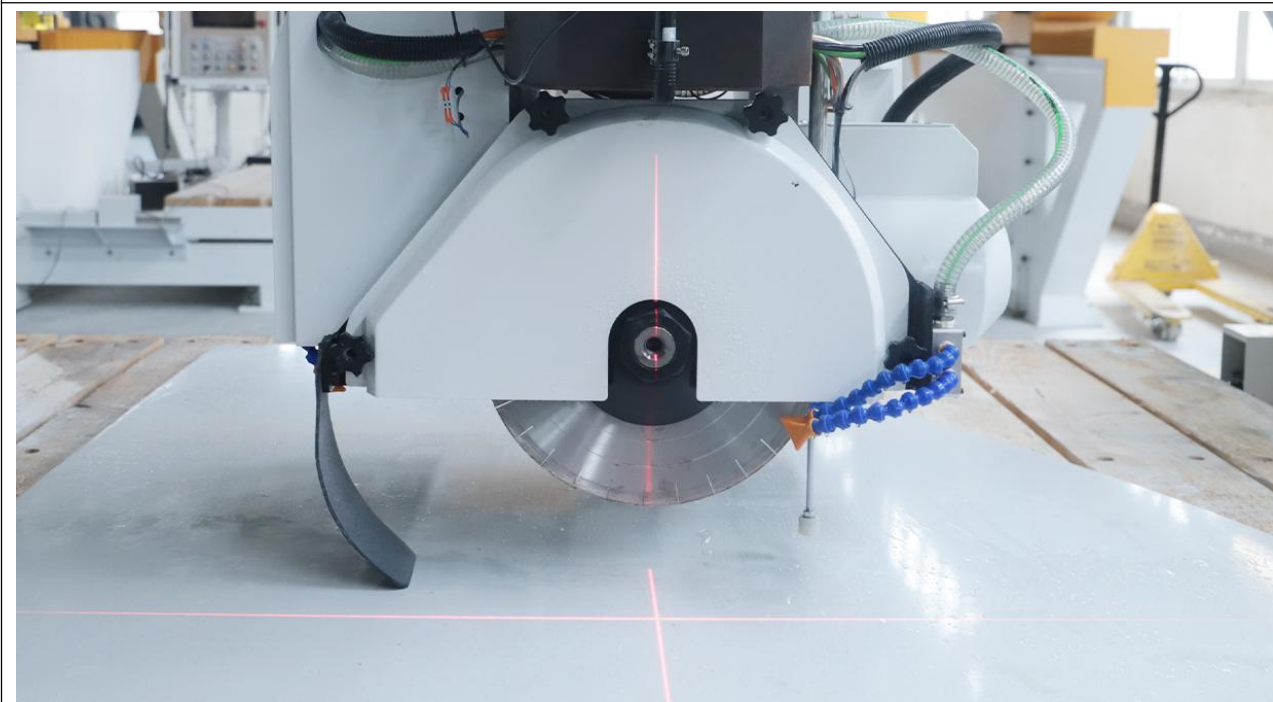
●Product Parameter

Technical indicators	parameter
Model	iGS-B3620 (Pro)
Stroke of X axis	3600mm
Stroke of Y axis	2000mm
Z-axis stroke 1	255mm (Blade Diameter 400mm)
A axis	90°
C axis	360°
Saw blade motor power	15kw/18.5kw/22kw
Blade Diameter	350-500mm
Input power	3-phase AC 380V/220V 50-60Hz 10A
Body	Heavy duty bed
Gantry	Steel structure
Table	Automatic copy flip feeding
Guide rail	Taiwan HIWIN
Rack	Taiwan YYC
Screw	Taiwan TBI screw 5010
Motor	IGOLDENCNC
System	IGOLDENCNC
Water pump	Standard
Standard configuration function	Table flip, cross red light positioning, tool setting instrument, dial indicator, tool hanging, table cleaning, working camera
Optional Functions	Pressing, suction cup displacement, photo layout, probe, dust-free installation measurement software

● Configuration Introduction

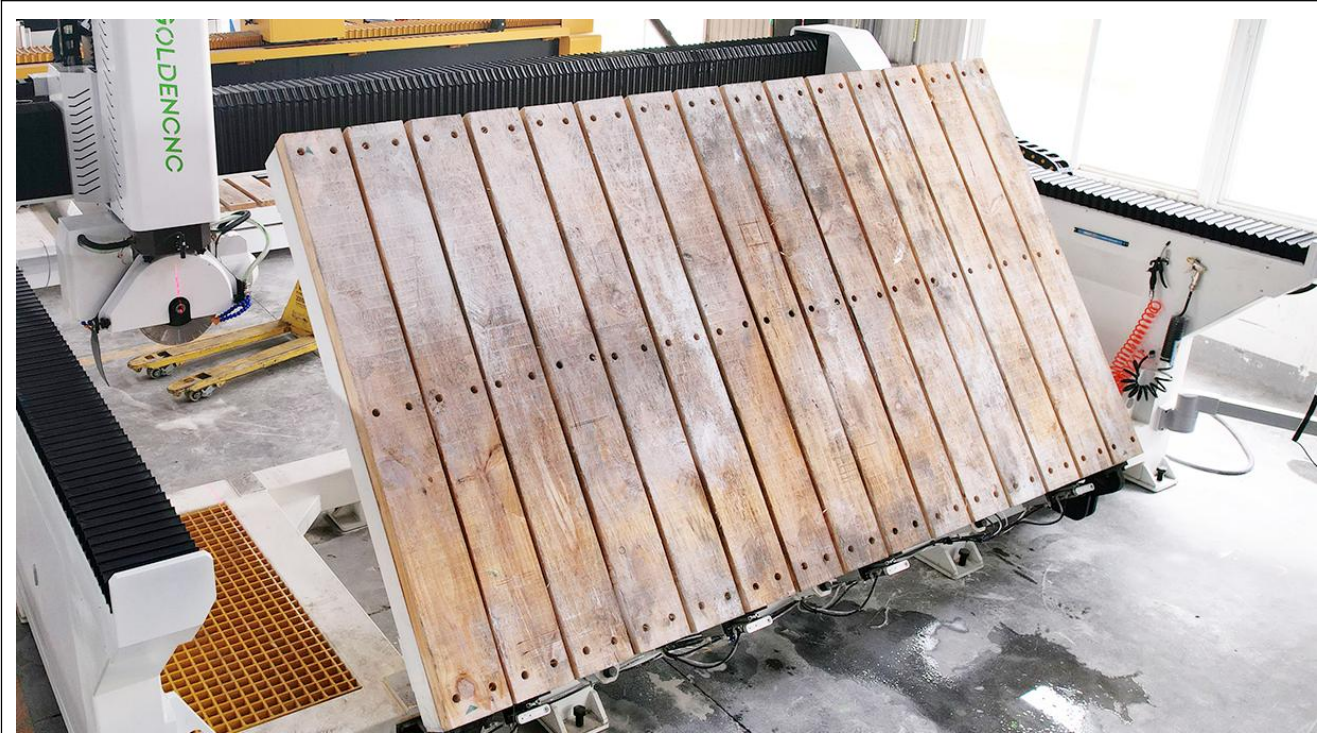


The machine head supports 360° free rotation and 90° multi-angle tilt, breaking through the limitations of traditional cutting. It can accurately complete complex processes such as straight line cutting in any direction, arc/circular contour processing, 45° bevel joints, and special-shaped internal corner carving. It is particularly good at fine operations such as cabinet countertop openings (basin holes/stove holes) and horse belly edge shaping.



Laser positioning

The cross red light projects the cutting line to intuitively display the processing trajectory. Combined with the automatic tool setting instrument and probe (optional), it can compensate for tool wear and plate thickness differences in real time to ensure processing consistency.



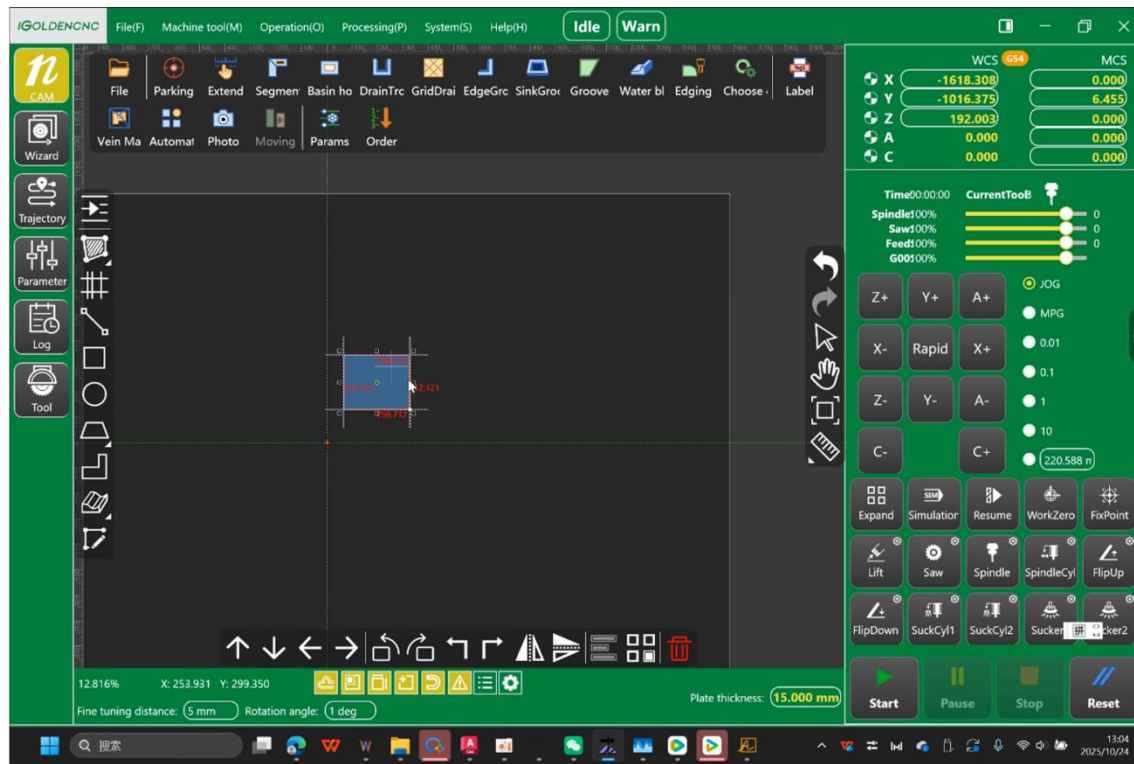
Automatic table flip

The standard 86° automatic flip table supports fast loading and unloading of single 800kg heavy panels, reducing the intensity of manual handling.



Multifunctional process integration

- A single piece of equipment integrates cutting, milling, drilling, and chamfering processes: it supports full-angle linear/curved cutting from 0° to 360°, with a maximum processing size of 3600×2000mm.



Human-machine collaborative control: Equipped with IGOLDENCNC professional system and 18.5-inch industrial touch screen

- ① One-click import of CAD design drawings in the graphical interface to automatically generate processing codes;
- ② Real-time monitoring of equipment operation status, automatic alarm for abnormalities;
- ③ Support for offline programming and cloud storage of processing data, greatly reducing the operating threshold, and new employees can start work after one day of training.



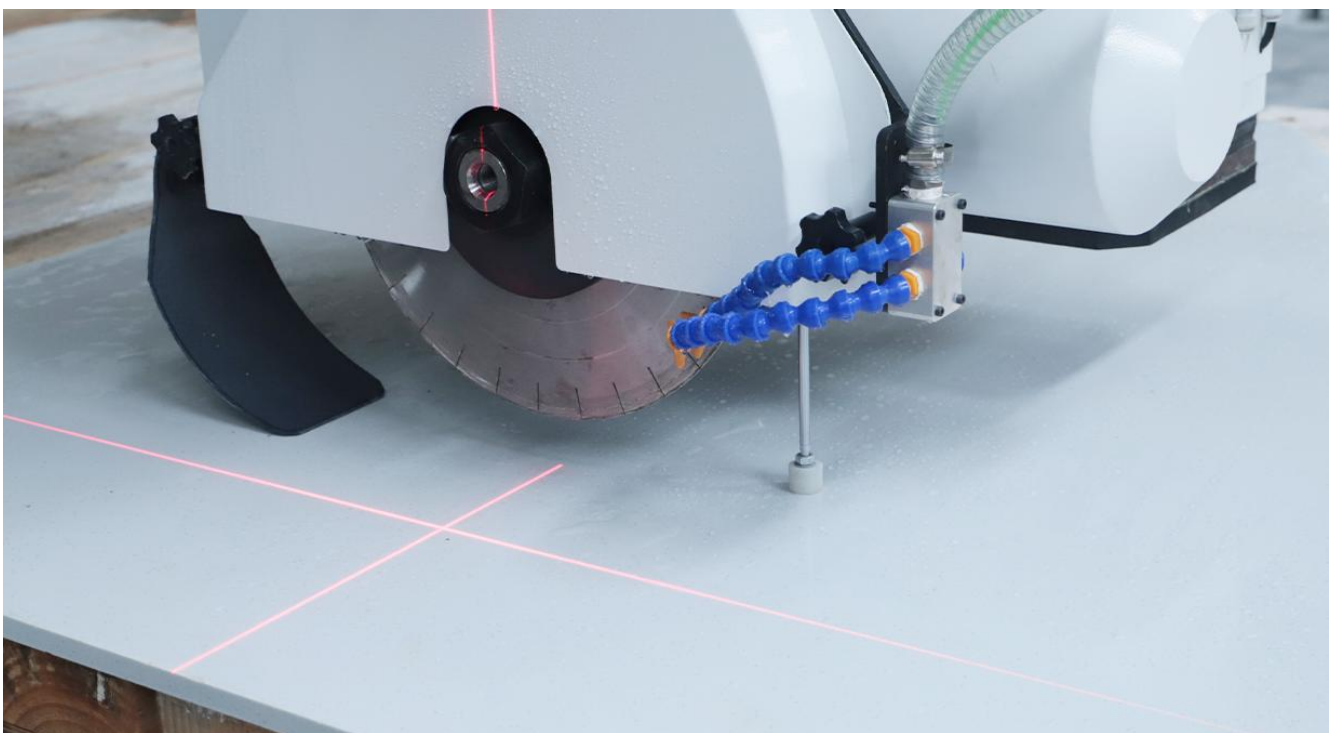
Photo layout (optional)

- By using high-precision industrial cameras to scan the texture and defects of the plate, taking photos automatically, and combining with the optimal cutting path, the plate utilization rate can be increased by 15%-20% and manual typesetting errors can be eliminated.
- The camera cover is designed to open and close automatically to prevent dust and maintain hygiene.



Vacuum suction cup displacement (optional)

The maximum adsorption capacity of the adsorption zone is 400 kg for plates/sheets, replacing the manual adjustment of the plate position and avoiding overcutting accidents caused by processing misalignment. It is especially suitable for continuous processing of large plates.



Probe side thickness (optional)

Automatically measure the plate thickness in real time and compensate the cutting depth, completely eliminating the overcutting or undercutting problems caused by manual measurement errors and ensuring millimeter-level processing accuracy.



Taiwan YYC rack

2M grade precision ground tooth surface, zero meshing gap, transmission stability up to $\pm 0.02\text{mm}$, eliminating cutting jitter.

Taiwan Hiwin guide rail

High-rigidity 35-specification design improves deformation resistance by 40%, ensuring millimeter-level motion accuracy under heavy-load cutting.

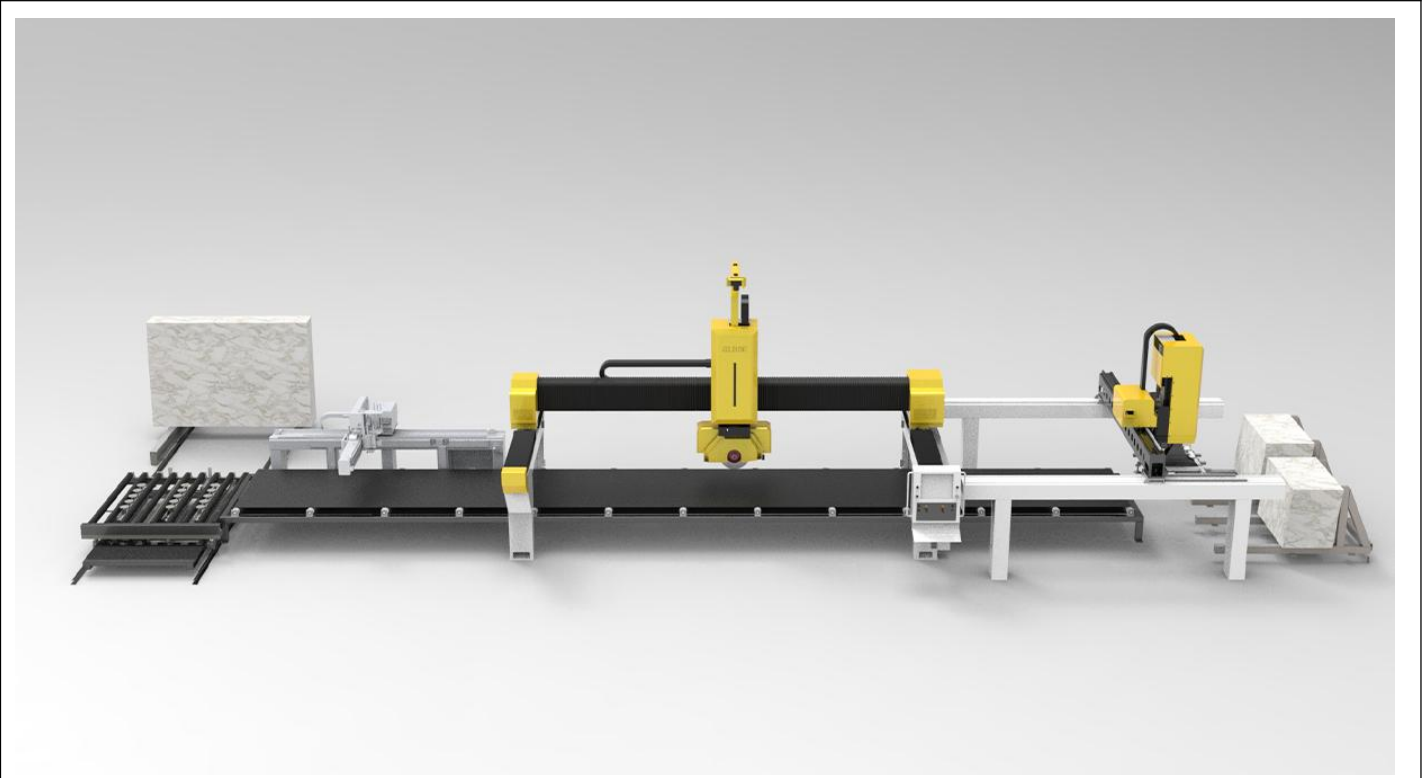


Taiwan TBI lead screw

5010 large lead, C3 level accuracy, fast response + micron level positioning, achieving high speed and low noise operation.

IGOLDENCNC Servo motor

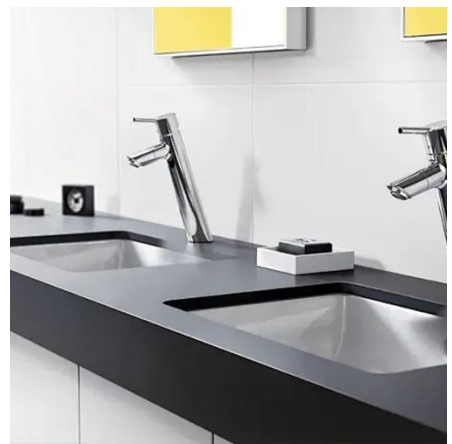
With 200% instantaneous overload torque output and adaptive algorithm, the dynamic response speed is increased by 30% and the energy consumption is reduced by 15%.



Online production solution

It can be connected to the automated assembly line to realize unmanned operation of the entire process of loading → positioning → processing → sorting, meeting the needs of 24-hour continuous production.

● **Samples**



Technical Highlights

- The machine adopts Taiwan Hiwin 35-series linear guides, YYC high-precision racks, and Sesame reducer – enhancing transmission rigidity by 40%. Its heavy-duty welded frame undergoes tempering treatment, ensuring deformation resistance for over 10 years of continuous operation.
- Centered on 5-axis free machining, AI-powered control, and multifunctional integration, it redefines the benchmarks for stone processing efficiency, propelling breakthroughs across three critical dimensions: quality enhancement, cost reduction, and productivity maximization.
- The cutting head enables 360° free rotation and 90° multi-angle tilting, overcoming conventional cutting constraints. It accurately executes complex processes including:

 Omnidirectional linear cutting; Arc/circular contour machining; 45° miter jointing
 ; Irregular concave engraving.
- **AI Camera Layout (Optional):** Utilizes high-precision industrial cameras to scan stone veins and flaws, automatically generating optimal cutting paths—boosting material utilization by 15%-20% and eliminating manual layout errors.
- **Laser Real-Time Positioning:** Cross-hair laser projection visually displays the machining path. When integrated with the auto-tool-setter and probing system (optional), it compensates for tool wear and slab thickness variations in real time, ensuring ± 0.1 mm machining consistency.
- **Automatic table flip:** standard equipped with 86° automatic flip table and lifting rollers, supports fast loading and unloading of single 800kg heavy plates, reducing the intensity of manual handling.

- **Vacuum suction cup material transfer (optional):** replaces manual adjustment of the plate position to avoid overcutting accidents caused by processing misalignment, especially suitable for continuous processing of large plates.
- **Online production solution:** It can be connected to the automated assembly line to realize unmanned operation of the entire process of loading → positioning → processing → sorting, meeting 24-hour continuous production needs.
- **Multifunctional process integration:** a single device integrates five processes: cutting, milling, drilling, grinding and chamfering.
- Equipped with IGOLDENCNC professional system and 10-inch industrial touch screen.

● Quality Control

➤ Standard QC system

Quality certification system: Won ISO 9001 / FDA / CE / SGS and other international authoritative certifications. From raw material selection to production process, 36 quality control nodes strictly follow global standards and have a traceable quality management system.

Patent certification matrix: holding more than 80 national invention patents + 45 utility model patents, the R&D center invests 8% of its annual revenue in technological innovation, building a three-dimensional patent moat covering intelligent algorithms, environmentally friendly processes, and human-computer interaction, and continuously outputs differentiated value for partners.

// Certificates

We have 13 years of R&D experience and have many invention patents and utility model patent certificates.



ISO 9001

Quality management system certification



SGS

SGS certification



CE

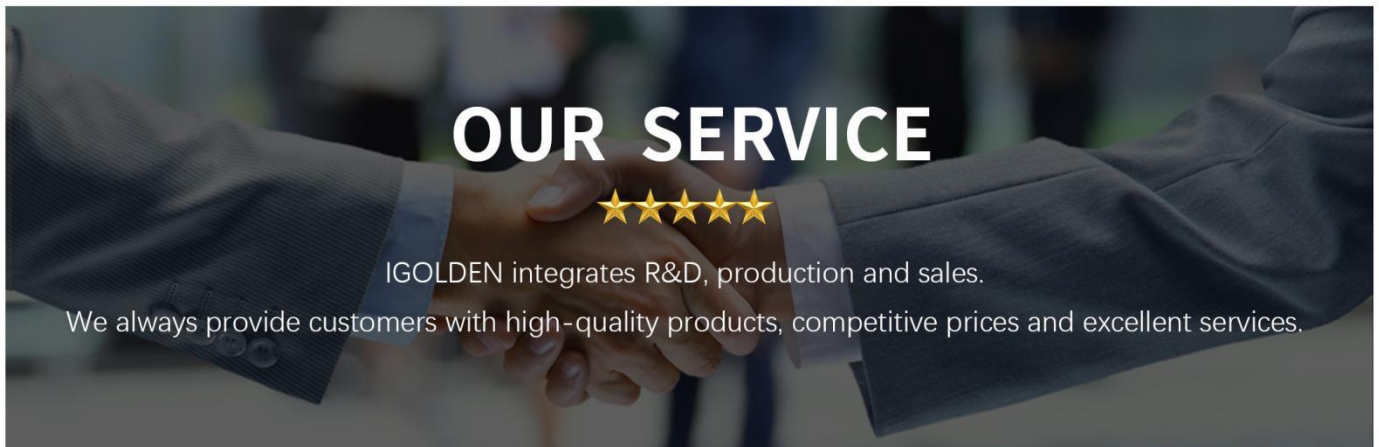
CE certification (EU)



TÜV

TUV certification

● After-sales management



1 year warranty

We provides 1-year warranty and life-long after-sales service for the equipment produced by our company.

Free training

IGOLDEN Group insists on providing customers with free one-on-one operation training for each machine sold.

Parts technical assistance

We have a large stock of spare parts. Once customers need replacement parts, we will quickly arrange shipment and provide technical assistance via email or phone.

Customization

When you need a specially designed, customized or OEM machine, please contact us immediately.

IGOLDENCNC IGOLDENLASER



