HOYUN
MACHINERY

Technology achieves design
科技让设计成为现实

数控桥切机
CNC BRIDGE SAW
SIERRA PUENTE CNC
منشار جسر CNC

19 Years of Building Materials Deep-Processing Equipment Manufacturer
十九年建材深加工设备制造商

Foshan Nanhai HoYun Ceramic Machinery Co., Ltd.
佛山市南海鸿运陶瓷机械有限公司

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FOSHAN NANHAI HOYUN CERAMIC MACHINERY CO., LTD.
佛山市南海鸿运陶瓷机械有限公司

The company specializes in the R&D, manufacturing, and sales of equipment for processing stone, ceramic tiles, and sintered stone, offering efficient and cost-effective solutions for the building materials industry.
Its product range includes equipment for cutting, chamfering, edging, polishing, and profiling, with practical and automated models designed to improve efficiency, precision, and reduce labor costs.
The company also provides one-stop services covering equipment selection, manufacturing, installation, and after-sales support.

公司专注石材、瓷砖、岩板深加工设备研发、制造与销售，依托完善产业配套，为建材加工行业提供高效、稳定、高性价比的整体解决方案。
主营瓷砖、石材、岩板加工设备，产品品类齐全，可满足各类加工厂的生产需求，广泛应用于瓷砖、大理石、花岗岩、岩板等材料的切割、倒角、磨边、抛光及造型加工。产品涵盖实用型与自动化高效型，支持连续批量生产，有效提升精度与效率、降低人工成本。
公司提供选型、制造、安装、售后一站式服务，长期服务各类加工厂及建材深加工企业，以实用、稳定、高性价比为核心优势。













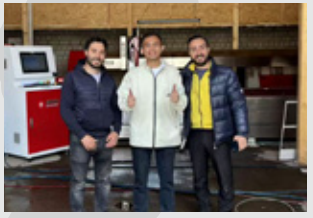


GLOBAL PARTNERS
全球合作伙伴

Our partners are spread over more than 100 countries and regions around the world.With years of export experience, we are committed to providing you with safe and reliable transportation services. We also have a professional team of engineers who are ready to provide on-site training and maintenance services to ensure your problems are resolved in a timely manner.

我们的合作伙伴遍布全球100多个国家和地区，凭借多年积累的出口经验，我们承诺为您提供安全可靠的运输服务。我们还拥有一支专业的工程师团队，他们随时准备上门为您提供培训与维护服务，确保您的问题能够得到及时解决。

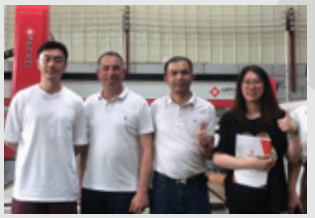
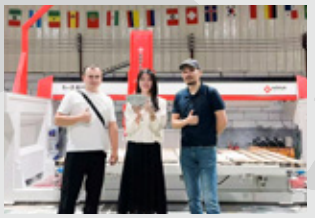
CUSTOMER CASE STUDY
客户案例







5+2 AXIS CNC BRIDGE SAW
5+2轴数控桥切机



Heavy-duty Suction Cup
重载型吸盘



Camera
相机



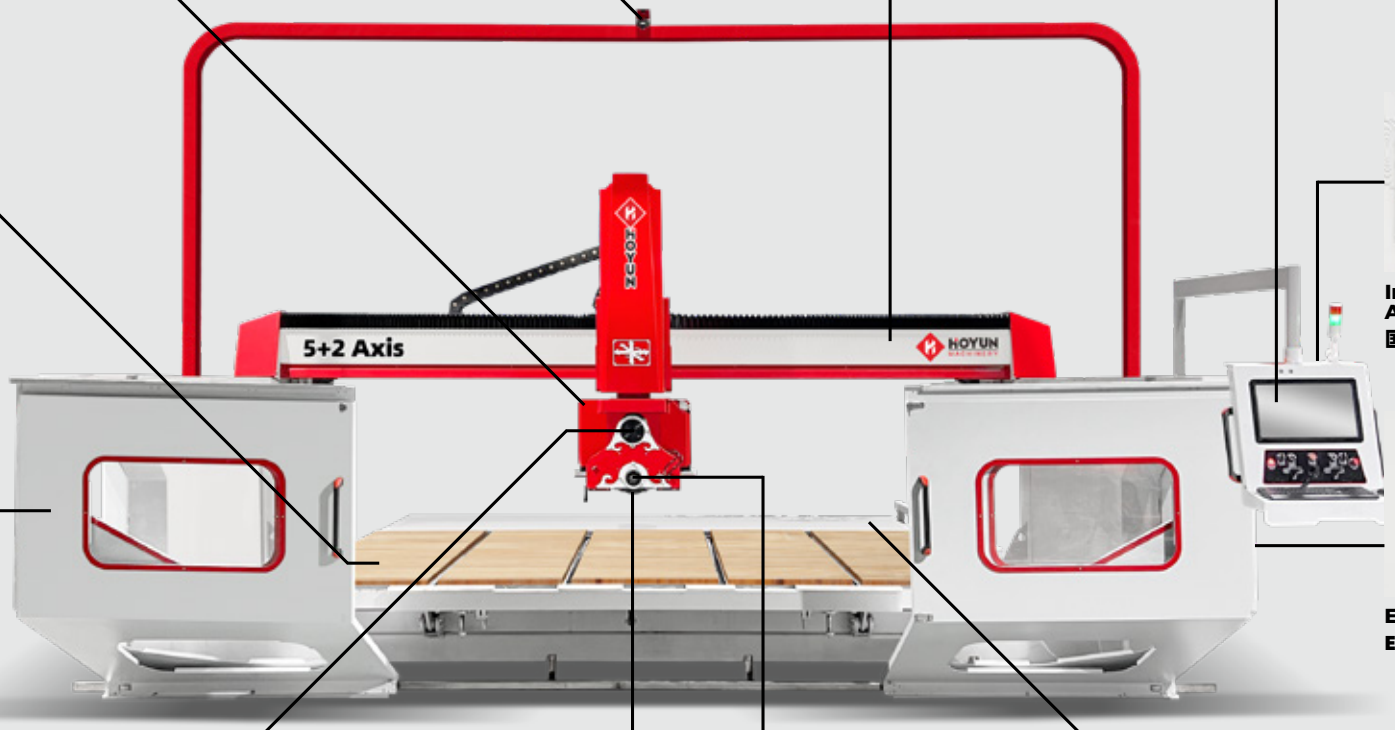
Oil-immersed linear guide rail
油浸式直线导轨



CNC Control System
CNC操作系统



Elevating Platform
可翻转平台





International Brand Bus-Type Absolute Servo Motor
国际品牌总线绝对值伺服电机



Safety guards (Optional)
防护门（选配）



EtherCAT bus
ETHERCAT总线



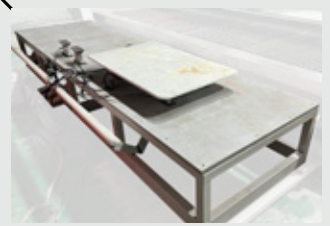
Milling cutter
铣刀



Water-cooled Motor
水冷电机



Edge Grinding / Profiling
磨边/造型



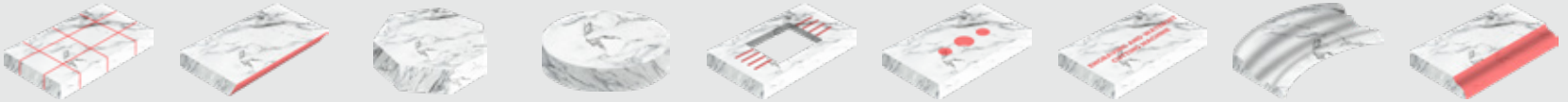
Profiling Worktable (Optional)
磨边工作台（选配）

CNC BRIDGE SAW TECHNICAL PARAMETERS 数控桥切机技术参数

Model 型号	3 Axis	3 Axis double blade	4+1 Axis	5+2 Axis
Table Size 工作台尺寸	3200/3600*2000mm	3200/3600*2000mm	3200/3600*2000mm	3200/3600*2000mm
Blade Size 锯片尺寸	300-420mm	300-420mm	300-420mm	300-420mm
Max. Cutting Capacity 切割厚度	0-50mm	0-50mm	0-50mm	0-90mm
Main Motor Power 主电机功率	15KW	15KW	15KW/22KW	15KW/22KW
Milling Motor Power 铣刀电机功率	/	/	5.5KW	5.5KW
Spindle Speed 主轴转速	3000rpm	3000rpm	3000rpm	0-6000rpm
Milling Speed 铣刀转速	/	/	18000-24000rpm	18000-24000rpm
Rapid Traverse Rate 空走速度	15m/min	15m/min	20m/min	30m/min
Total Power 总功率	22KW	26.5KW	27KW/34KW	27.5KW/34.5KW
Machine Size 机器尺寸	4800*3050*2400mm	4800*3050*2400mm	5200*3050*3800mm	5200*3850*3800mm
Weight 总重量	3000KG	3200KG	3300KG	3600KG

MODEL VARIATION 型号差异

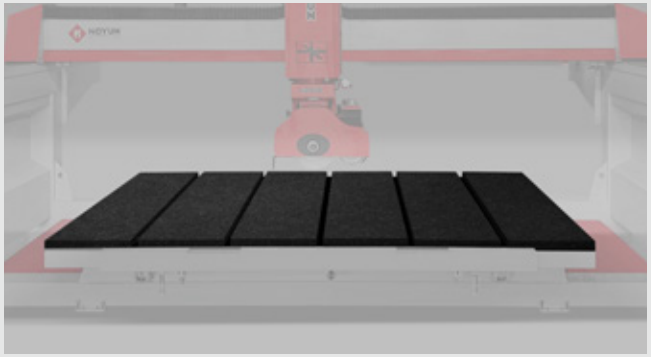
Model 型号	Cross/Vertical Cut 横切/竖切	Chamfer 倒角	Polygon 多边形	Round 圆形	Slotting 拉槽	Milling 铣孔	Plane Carving 平面雕刻	Profiling 仿形	Edge shape 磨边造型
3 Axis	✓	✓	/	/	/	/	/	/	/
3 Axis double blade	✓	✓	/	/	/	/	/	/	/
4+1 Axis	✓	✓	✓	✓	✓	✓	/	/	/
5+2 Axis	✓	✓	✓	✓	✓	✓	✓	✓	✓



Model 型号	CAD Import CAD导入	Double-blade cutting 双刀切割	Camera 相机	Suction cup 吸盘	Milling 独立铣刀	Milling Inverter 铣刀变频器	Saw Blade Inverter 锯片变频器
3 Axis	/	/	/	/	/	/	/
3 Axis double blade	/	✓	/	/	/	/	/
4+1 Axis	✓	/	/	/	✓	✓	/
5+2 Axis	✓	/	✓	✓	✓	✓	✓



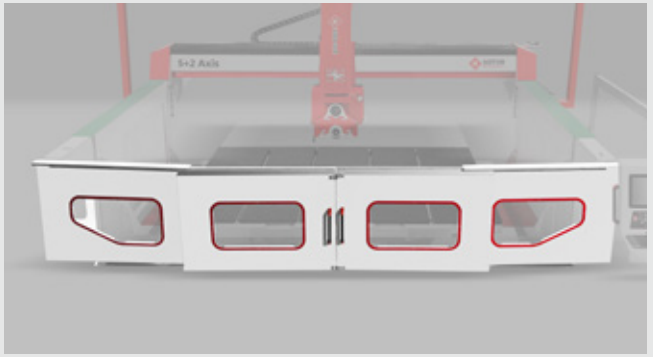
OPTIONAL FEATURES
可选功能



Rubber Platform
橡胶工作平台

The rubber work platform effectively reduces resonance, ensuring stable equipment operation and thereby improving machining accuracy and finished product quality.

橡胶工作平台能有效减少共振，确保设备运行平稳，从而有效提升加工精度与成品质量。



Safety guards
防护门

The protective door combines high safety with clear visibility, effectively blocking debris splashes to ensure operator protection.

防护门具备优异的安全防护性能与开阔的操作视野，能有效阻挡加工中产生的碎石碎屑飞溅，为操作人员提供可靠保护。



Camera
相机

The 4+1-axis bridge saw can be equipped with an optional camera vision system. This eliminates the need to manually set the origin point before each cutting operation, thereby enhancing positioning accuracy and improving processing efficiency.

4+1轴桥切机可选配相机拍摄功能。省去每次切割前需要手动设置原点的步骤，提高定位精度和加工效率。



Heavy-duty Suction Cup
重载型吸盘

The suction cup has a maximum load capacity of 200KG. It not only saves labor and improves production efficiency but also effectively prevents overcutting, thereby increasing slab utilization.

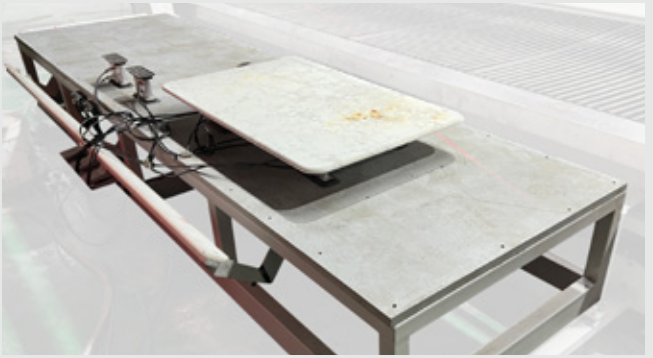
吸盘最大负载达200KG，不仅节省人力、提升生产效率，更能有效避免过切，提高板材利用率。



Independent Milling Cutter
独立铣刀

Independent milling cutter mounted on the side of the tool head, no frequent downtime for tool changes.High flexibility and precision for drilling, slotting, carving, chamfering and complex processes.Integrated with cutting, realizing all-in-one machine.

独立铣刀安装于刀头侧边，无需频繁停机换刀，大幅提升加工效率。可完成钻孔、开槽、雕刻、倒角等复杂工序，配合切割功能，灵活精准，真正实现一机多能。



Profiling Worktable
磨边工作台

The workbench surface adopts high-strength honeycomb panel structure, specially used for processing inner and outer holes, edging, shaping and other processes.

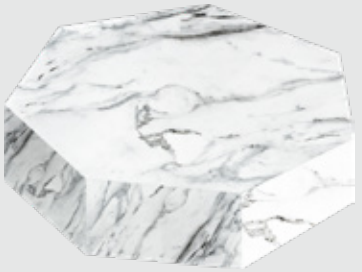
磨边工作台，工作台面采用高强度蜂窝板结构，专门用于加工内外孔，磨边造型等工艺。

MACHINE PROCESSES
机器工艺

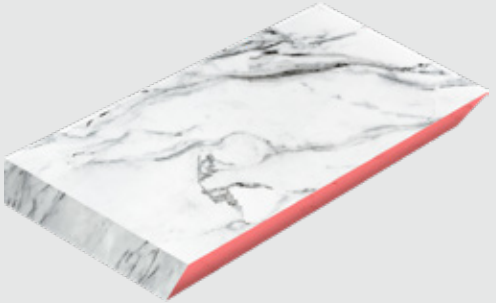
CNC bridge cutting machines are suitable for stone, marble, granite, ceramics and other materials, and can perform various processing techniques.
数控桥切机适用于石材、大理石、花岗岩、陶瓷等材料，可实现多种工艺加工。



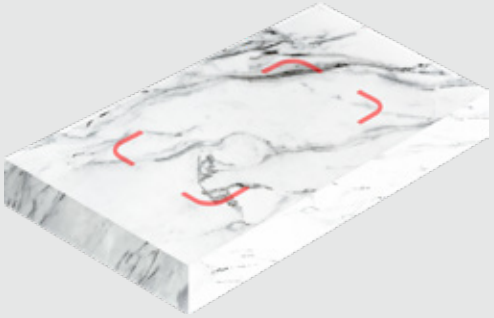
Round
圆形



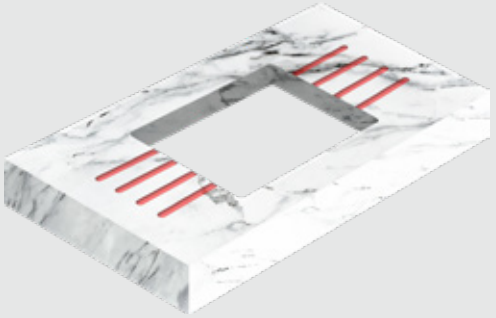
Polygon
多边形



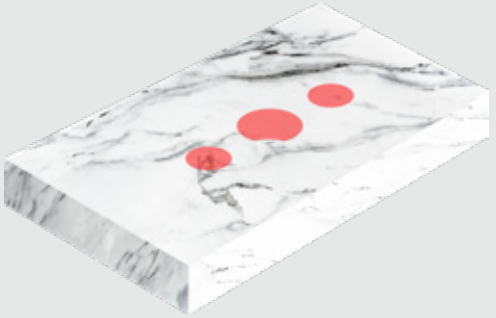
Chamfer
倒角



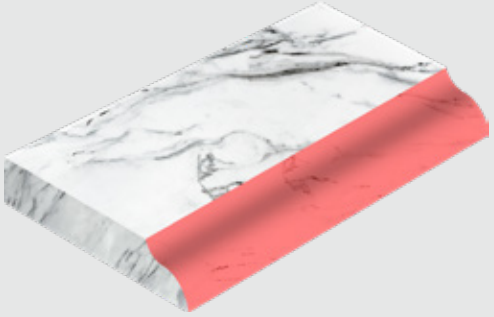
Milling
铣刀加工



Drainage tray
沥水槽



Milling
铣孔



Edge shape
磨边造型

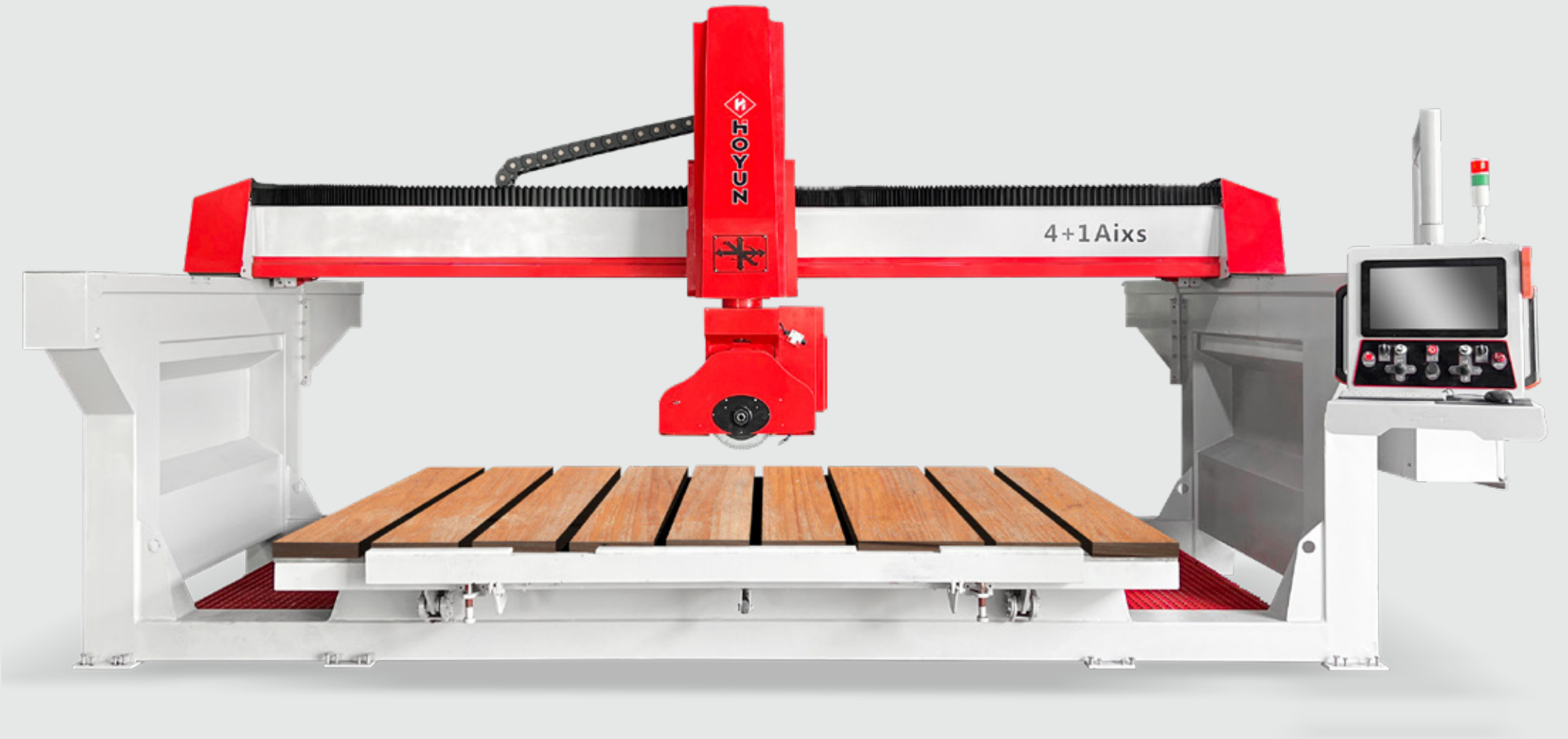


Plane Carving
平面雕刻



Profiling
仿形

OTHER MODELS
其他机型



4+1 Axis CNC Bridge Saw
4+1轴数控桥切机

The 4+1-axis bridge saw features an independent milling cutter with 360° cutting head rotation, capable of machining complex shapes including irregular profiles, arcs, circles, polygons, sink cutouts, and drainage grooves.

4+1轴桥切机配备独立铣刀，切割刀头可实现360°旋转，支持异形、扇形、圆形、多边形以及台面盆孔、沥水槽等多种复杂形状的加工。

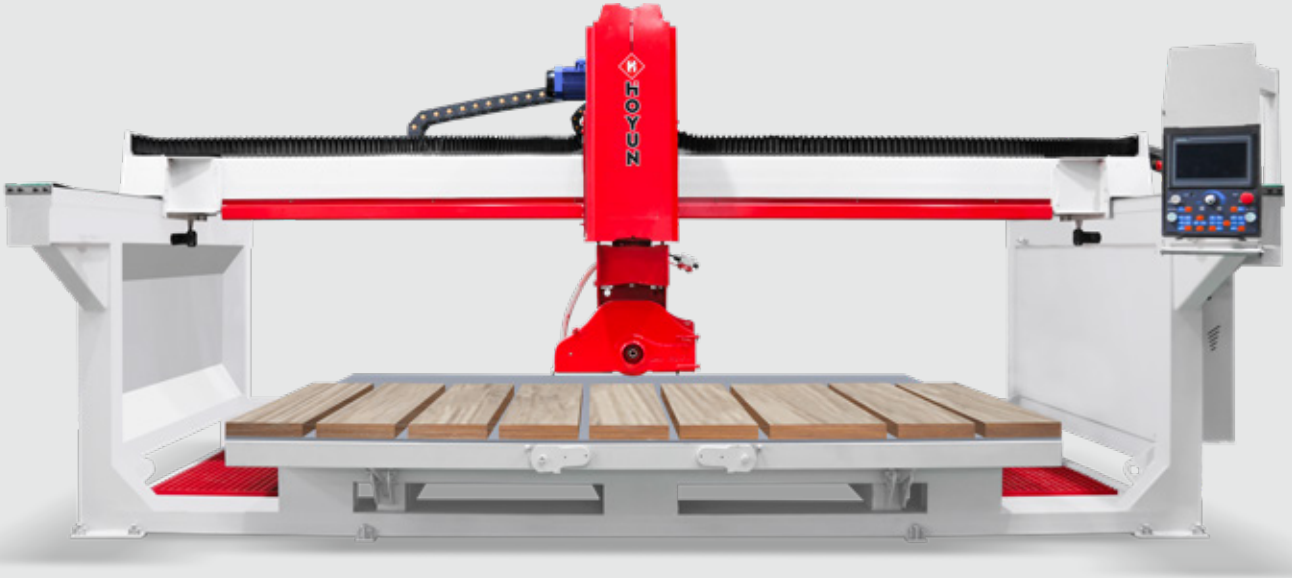
OTHER MODELS
其他机型



3-Axis CNC double blade Bridge Saw
3轴数控双刀桥切机

The 3-axis CNC dual-blade bridge saw employs twin-blade cutting to prevent chipping and corner breakage. Its synchronous dual-blade operation increases cutting efficiency by over 1/3 compared to single-blade machines.

3轴数控双刀桥切机为双刀切割，具有不崩瓷，不掉角等特点。在双刀同步工作模式下，切割效率较单刀提升三分之一以上。



3-Axis CNC Bridge Saw
3轴数控桥切机

The 3-axis CNC bridge saw offers simple operation with a cutting head that rotates 90° automatically and performs 45° cuts for cross, longitudinal, diamond and chamfering tasks.

3轴数控桥切机操作简单实用，其刀头支持90°自动旋转，并可实现45°切割，能够加工横切、纵切、菱形及45°倒角。

APPLICATIONS
应用场景

CNC bridge cutting machines are suitable for processing cabinets, drain grooves, vanity tops, wall carving and profiling, staircases, and other components.
数控桥切机适用于加工橱柜、沥水槽、洗手台、墙面雕刻仿形、楼梯等。



Cabinet Countertop
橱柜台面



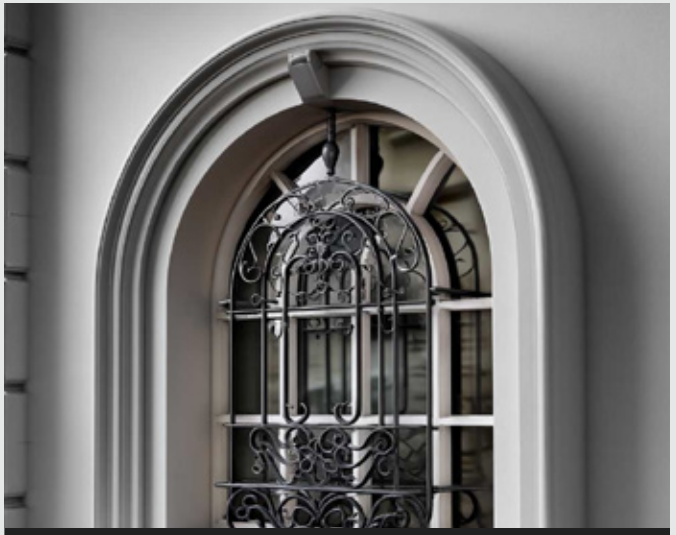
Cabinet Countertop
橱柜台面



Cabinet Countertop
橱柜台面



Flat Engraving
平面雕刻



Profile Copying
仿形



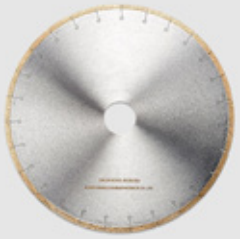
Dining Table
餐桌

MATCHING TOOLS
配套工具

BLADE SERIES 刀具类



Sintered Saw Blade
岩板锯片



Marble Saw Blade
大理石锯片



Granite Saw Blade
花岗岩锯片



Milling Cutter
铣刀



Engraving Cutter
雕刻刀



Edge Grinding Knife
磨边刀



Profile Grinding Knife
异形磨边刀



Profile Grinding Knife
异形磨边刀



Profile Grinding Knife
异形磨边刀



Hydrofinish Head
拉毛刀头

TOOL SERIES 工具类



Piston Air Compressor
活塞空压机



Vacuum Pump
真空泵



Sewage Pump
污水泵



Heavy-duty Slate Clamp
重型大板夹



Stone Transport Cart
石材运输车



Vacuum Suction Plate
真空吸盘台板器



Pneumatic Swing-Arm Loader
气动摇臂上料机