

DIGITAL CUTTING MACHINE

Adopt self-developed professional cutting system, with intelligent table compensation function, CCD automatic edge-finding positioning, fiber automatic tool setting system, large visual positioning, projection positioning, support over-cut optimization, multi-task and multi-station cyclic cutting.



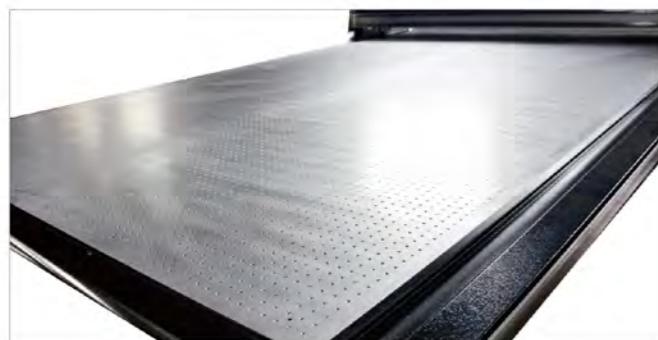
Large Vision Positioning System

For the materials in the clothing industry, the pattern is deformed due to various factors, and it is impossible to achieve accurate nesting of the original pattern. By shooting with an ultra-clear SLR camera, large-format multi-patterns can also be accurately captured at one time, and automatic nesting and cutting of pattern outline recognition can be realized. Reduce losses caused by manual cropping errors.



Projection positioning system

High-definition industrial projector, 1:1 projection cutting graphics, suitable for the selection and cutting of irregular materials, assisting manual feeding, and improving the utilization rate of raw materials. During the cutting process, customers can also place irregular scraps in the projection area for alignment cutting to avoid unnecessary waste.



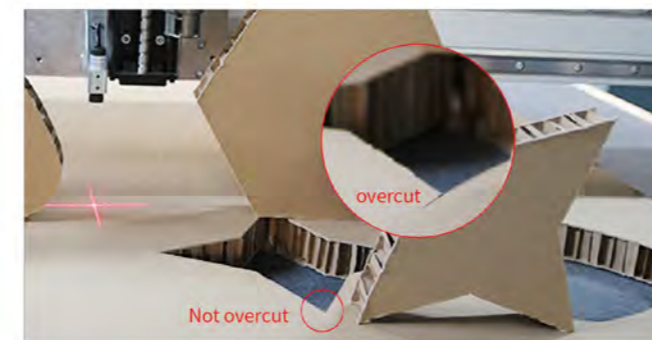
Honeycomb Integrated Tabletop

High-strength Mg-Al Alloy, integrated honeycomb design, $\pm 0.15\text{mm}$ flatness tolerance, Independent partition control, 8 gears suction.



Mitsubishi Servo System

Mitsubishi servo motor drive control system can achieve accurate control, fast response, stable performance, high torque, efficient operation and few failures.



Support overcut optimization

The software supports overcut optimization and compensation, cutting surface is consistent from top to bottom, minimizes overcut in the finished product area, and brings customers a perfect cutting effect.



Dual Protection

Mechanical Anti-collision & Infrared Sensor protect operators and avoid the wastage efficiently.

Fixed Table Cutting Machine



Features



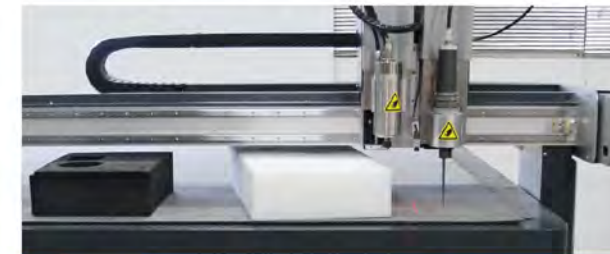
❖ Honeycomb Integrated Tabletop

High-strength Mg-Al Alloy, integrated honeycomb design, $\pm 0.15\text{mm}$ flatness tolerance, Independent partition control, 8 gears suction.



❖ Mitsubishi Servo System

accurate control, fast response, stable performance, high torque, efficient operation and few failures



❖ Special Heightened Beam

Special heightened beam can cut 110mm height EPE and other foam products



❖ Optional Customized Milling Tool

The Milling tool can mill and hollow out many kinds of non-metallic materials and has a wider range of applications

Applications

❖ Mainly used for single-sheet material cutting, suitable for corrugated paper, honeycomb board, cardboard, EPE, gray card, KT board, Chevron board, advertising materials. The packaging and printing materials are generally processed by double cutting heads, to achieve cutting and creasing at the same time. The CCD camera positioning function is optional.



Technical Parameter

Model	GBD 1410/1816/2516	GBH 1410/1816/2516	GBX 1410/1816/2516
Standard	Oscillating tool, Pen, Creasing tool, Laser positioning	Pneumatic Oscillating tool, Laser positioning	Oscillating tool, Pen, Milling tool, Creasing tool, Laser positioning
Optional	Pneumatic Oscillating tool, V-Cut tool, Kiss-Cut tool, Laser path tool setting, CCD camera, Independent partition adsorption	Oscillating tool, V-Cut tool, CCD camera	Pneumatic Oscillating tool, V-Cut tool, Kiss-Cut tool, Laser path tool setting, CCD camera, Independent partition adsorption
Max. Cutting	55mm	110mm	55mm
Max. Speed	1400mm/s		
Cutting Material	Corrugated, Honeycomb board, Cardboard, Gray card, Gray board, PVC, KT board, EPE, Self-adhesive		
Repeat Accuracy	0.05mm		
Fixing method	Vacuum		
Graphic Format	DXF, HPGL, PLT		
Power	7.5KW-12.5KW		
Voltage	220/380V 50HZ		
Regular Size(Special size can be customized)			
Cutting Area	1400*1000mm	1800*1600mm	2500*1600mm
Dimensions	2380*1570*1280mm	2780*2200*1280mm	3480*2200*1280mm

Auto Feeding Cutting Machine

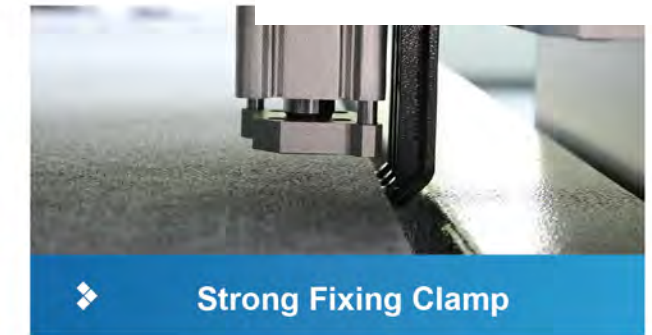


Features



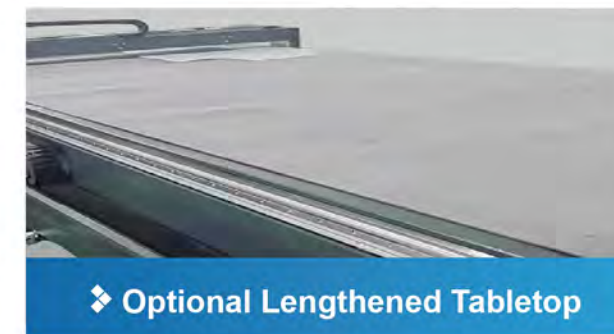
❖ Automatic Feeding System

continuous cutting, saving labor and improving efficiency



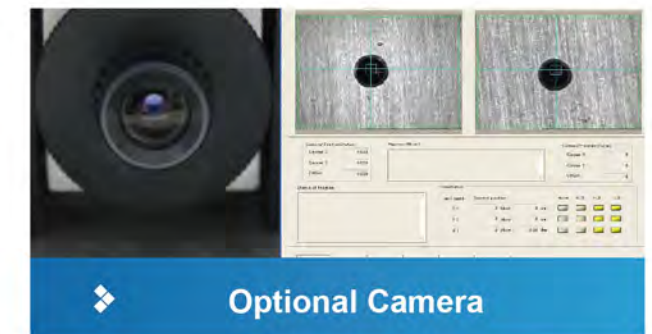
❖ Strong Fixing Clamp

Multilayer material feeding without deviation



❖ Optional Lengthened Tabletop

The Size of the Tabletop can be customized

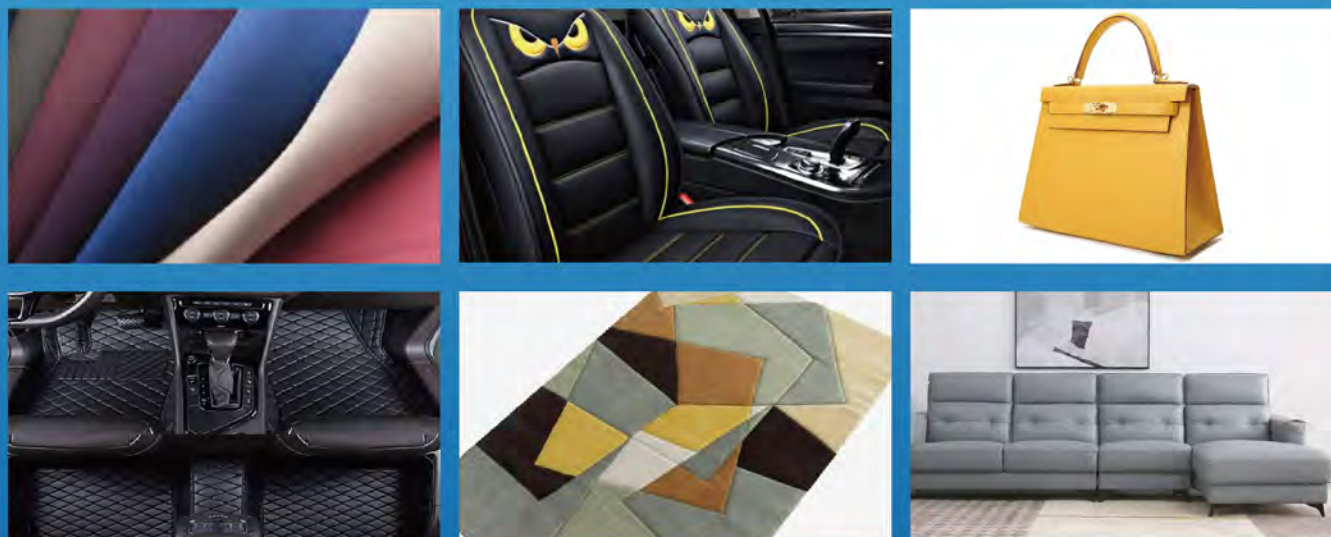


❖ Optional Camera

Precise and fast positioning of the cut, automatically correct cutting graphics

Applications

❖ mainly used in clothing, home furnishing, luggage, automobile interior and other industries. Different tools can be flexibly replaced according to different materials, and cooperate with cutting software to complete various functions such as cutting, punching, and marking, which greatly shortens the customers sample cutting's development cycle. you can also choose cameras, multi cutting heads, double beams, lengthened and widened tabletop and other personalized needs, to achieve a multi-functions.



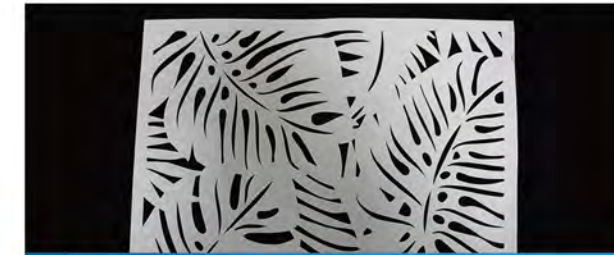
Technical Parameter

Model	GBR1410	GBR1816	GBR2516
Standard	Oscillating tool, Pen, Creasing tool, Laser positioning		
Optional	Pneumatic Oscillating tool, V-Cut tool, Kiss-Cut tool, Laser path tool setting, CCD camera, Large Vision Positioning System, Projection Positioning System		
Max. Cutting	55mm		
Max. Speed	1400mm/s		
Cutting Material	Cloth, Leather, Non-woven fabric, Fur, Carpet, Curtain, Silicone Mat, Towel, Soft Glass		
Repeat Accuracy	0.05mm		
Fixing method	Vacuum		
Graphic Format	DXF, HPGL, PLT		
Power	7.5KW-12.5KW		
Voltage	220/380V 50HZ		
Regular Size(Special size can be customized)			
Cutting Area	1400*1000mm	1800*1600mm	2500*1600mm
Dimensions	2380*1570*1280mm	2780*2200*1280mm	3480*2200*1280mm

Precision Electronic Cutting Machine



Features



High Precision Cutting

Adopt high-strength imported steel belt with high-quality rubber timing belt, the accuracy can reach 0.05mm



Pressure Control Tool

Double cutting head design, half cut, full cut, creasing, drawing, precise pressure-controlled cutting, up to seven layers can be cut



Optional Electrostatic Adsorption

Customizable electrostatic adsorption function, energy saving and noise reduction, can be placed in the office area for sample cutting production



Optional Camera

Accurately and quickly locate the cutting by the marking points, and automatically correct the cutting pattern

Applications

➤ Mainly used for single material cutting, suitable for protective film, self-adhesive, electronic gasket, backlight film, up to 7 layers of protective film can be cut in layers as needed, and CCD camera positioning function can be added.



Technical Parameter

Model	GSD 0906/1209/1512	GSS 0906/1209/1512	
Standard	Pressure control knife ,Pen,Laser positioning	Electric control knife ,Pen,Laser positioning	
Optional	CCD camera, Electrostatic adsorption		
Max.Cutting	1mm	2mm	
Cutting Layers	7 layers	2 layers	
Max. Speed	1300mm/s		
Cutting Material	Self-adhesive, cardboard, protective film, membrane switch, optoelectronic material, insulating material		
Repeat Accuracy	0.05mm		
Fixing method	Vacuum		
Graphic Format	DXF,HPGL,PLT		
Power	2.1KW-5.6KW		
Voltage	220/380V 50HZ		
Regular Size(Special size can be customized)			
Cutting Area	900*600mm	1200*900mm	1500*1200mm
Dimensions	1335*1065*1080mm	1635*1365*1080mm	1935*1665*1080mm

Fixed Table Cutting Machine

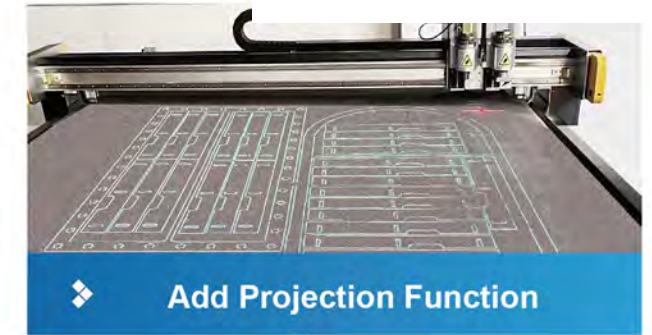


Features



❖ **THK Cutting Head Module**

Independent control of dual heads, 10+ standard module tools, quick change in 20 seconds, free combination use



❖ **Add Projection Function**

Adopt high-resolution projector, 1:1 pattern output, more precise cutting of special-shaped graphics



❖ **Optional Punching Head**

Different punches can be customized, which can realize special shapes such as punching holes and V-shaped openings

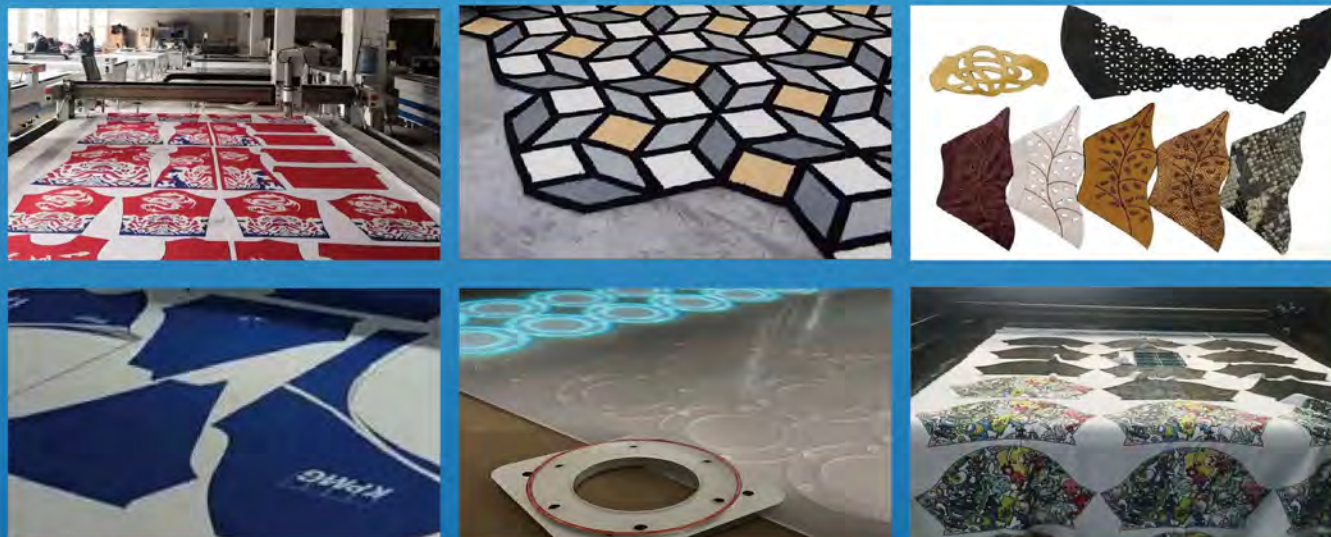


❖ **Optional Camera**

Obtain the pattern deformation law by identifying the marking points, and automatically correct the cutting pattern

Applications

❖ Mainly used in clothing, home furnishing, luggage, car interior and other industries, through high-resolution short-focus projection, no need to draw, just project a 1:1 pattern onto the cutting bed, and any special-shaped pattern can be cut directly.



Technical Parameter

Model	GFD 1410/1816/2516	GFP 1410/1816/2516	
Standard	Wheel Cut tool, Pen, Creasing tool, Laser positioning	Wheel Cut tool, Laser positioning, Projection system	
Optional	Oscillating tool, Pneumatic Oscillating tool, Punching tool, CCD camera, Independent partition adsorption	Oscillating tool, Pneumatic Oscillating tool, Punching tool, CCD camera, Independent partition adsorption, Lengthened Tabletop	
Max. Cutting	55mm		
Max. Speed	1400mm/s		
Cutting Material	Cloth, Leather, Non-woven fabric, Fur, Carpet, Curtain, Silicone Mat, Towel, Soft Glass		
Repeat Accuracy	0.05mm		
Fixing method	Vacuum		
Graphic Format	DXF, HPGL, PLT		
Power	7.5KW-12.5KW		
Voltage	220/380V 50HZ		
Regular Size(Special size can be customized)			
Cutting Area	1400*1000mm	1800*1600mm	2500*1600mm
Dimensions	2380*1570*1280mm	2780*2200*1280mm	3480*2200*1280mm

Large Vision Auto Feeding Cutting Machine



Features



❖ Large Vision Positioning System

Automatically identify the outline of the extracted pattern, the accuracy $\pm 1\text{mm}$, and extracted pattern can be scaled proportionally or locally modified as required



❖ Standard Special Round Tool

Can cut all kinds of fiber materials and leather with fast cutting speed and smooth edges



❖ Optional Double Beam

The double beam system can be customized according to customer needs, and the cutting efficiency is doubled

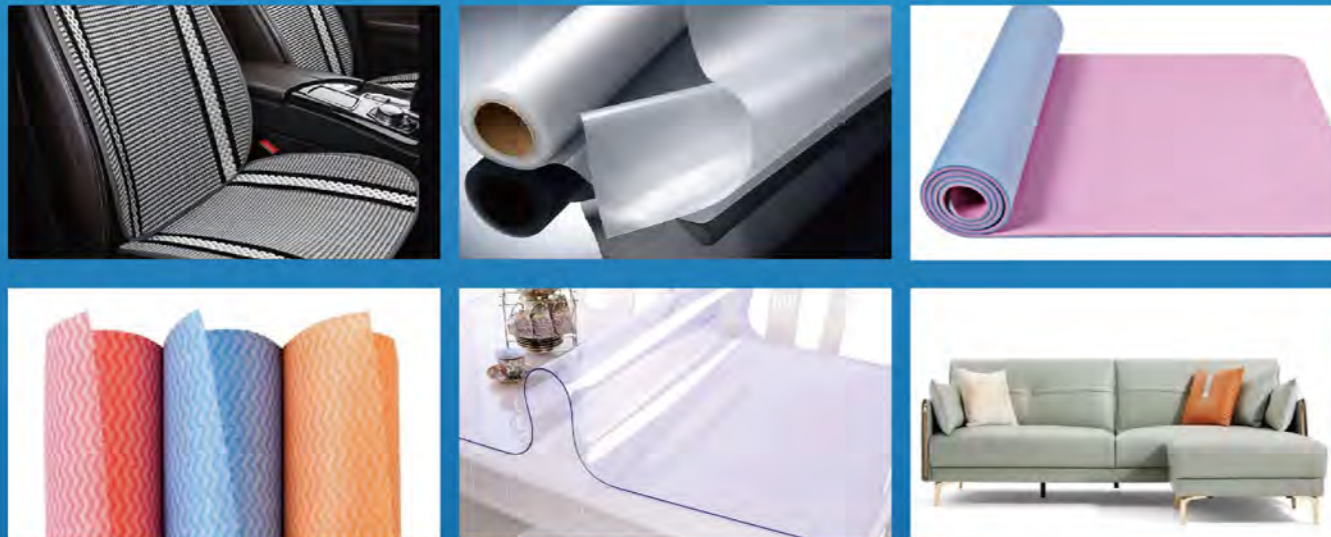


❖ Optional Extended Cutting Bed

Customer can customize the cutting bed, extend the bed size

Applications

❖ The large visual positioning system is suitable for contour cutting of various special-shaped printing materials. It can be cut automatically through the edge-finding system on the top of the machine, which can effectively increase production capacity and improve production efficiency.



Technical Parameter

Model	GFRC1410	GFRC1816	GFRC2516
Standard	Wheel Cut tool, Large Vision, Laser positioning		
Optional	Oscillating tool, Pneumatic Oscillating tool, Laser path tool setting, CCD camera, Double beam, Lengthened Tabletop		
Max. Cutting	55mm		
Max. Speed	1400mm/s		
Cutting Material	Apparel fabrics, blankets, leather products, car interiors, sofa fabrics		
Repeat Accuracy	0.05mm		
Fixing method	Vacuum		
Graphic Format	DXF, HPGL, PLT		
Power	7.5KW-18.5KW		
Voltage	220/380V 50HZ		
Regular Size(Special size can be customized)			
Cutting Area	1400*1000mm	1800*1600mm	2500*1600mm
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BTM MAKINE



TOOLS AND APPLICATIONS



Electric Oscillating tool

Features: High frequency vibration, smooth cut edges, fast speed
Applicable materials: corrugated paper, silica gel, PVC, KT board, honeycomb cardboard and other medium hardness materials
Cutting thickness: 15mm



Creasing Tool

Features: Crease the material for forming, and different pressures in the X and Y directions can be set
Applicable materials: corrugated, cardboard, PVC, PET



Pneumatic Oscillating tool

Features: high-frequency vibration, can cut thick materials and soft foam materials or materials with a hardness within 70 degrees
Applicable materials: EPE, corrugated paper, honeycomb cardboard, muffler cotton, gasket
Cutting thickness: 110mm



Kiss-Cut tool

Features: cutting tiny graphics, stable and can be precisely adjusted, low requirements for machine's tabletop flatness.
Applicable materials: self-adhesive, reflective film, photo-adhesive advertising paper, cardboard, gasket, etc.
Cutting thickness: 2mm



Wheel Cut tool

Features: The motor drives the wheel cutter to rotate at high speed to cut the material, the cutting speed is fast, and the edge is smooth
Applicable materials: non-woven fabrics, protective clothing, textile fabrics, fur products, advertising materials, mesh cloth, canvas
Cutting thickness: 10mm



Milling tool

Features: Engrave, milling high-hardness non-metallic materials, hardness above 60 degrees, suitable for advertising, packaging, molds, woodworking and other industries
Applicable materials: acrylic, aluminum composite panel, MDF, plywood, PTFE, hard rubber, etc.
Cutting thickness: 20mm **Milling cutter diameter:** 0.7-5mm



Drag tool

Features: The speed is much faster than the Oscillating tool, and the cutting edge is smooth
Applicable materials: PVC, PET, coated paper, gray card, floor leather, soft glass
Cutting thickness: 5mm



V-Cut tool

Features: To achieve V-cutting by by adjusting the installation angle of the blade. The cutting angle can be customized
Applicable materials: gray card, corrugated paper, thermal insulation board, sound-absorbing board, cat scratch board, honeycomb board, EPE, etc.
Cutting thickness: 30mm **Cutting angle:** 30°, 45°, 60°, 75°, 90°

