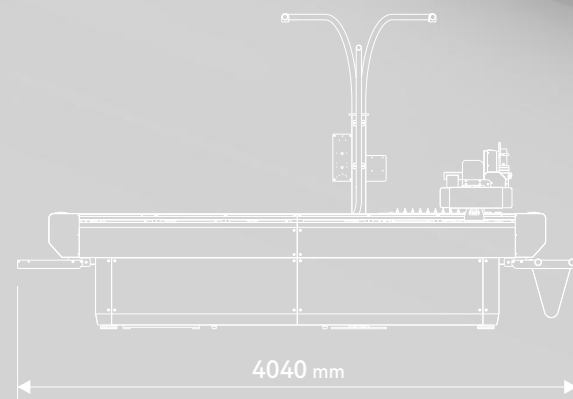
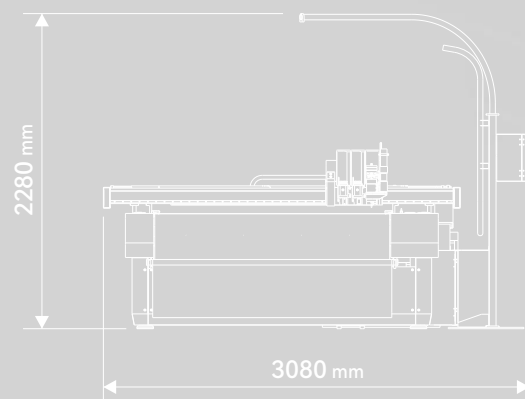


X9 2516

Digital Cutting Machine

TPS



TPS cutting software supports the following file formats



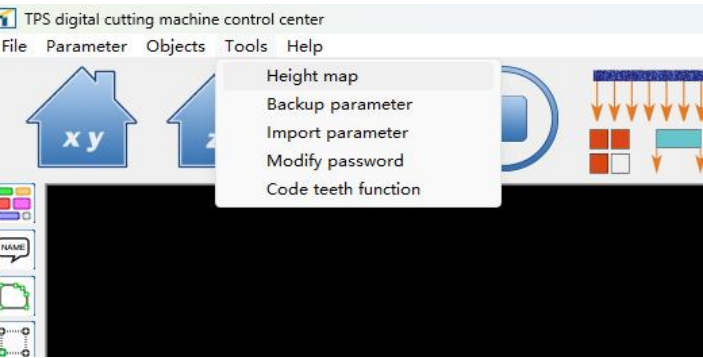
info@tpscutter.com www.tpscutter.com

Vac-Sorb Almagalloy platform

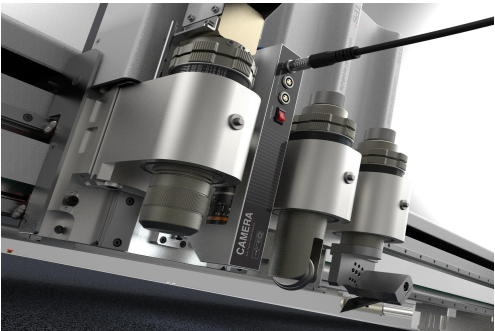
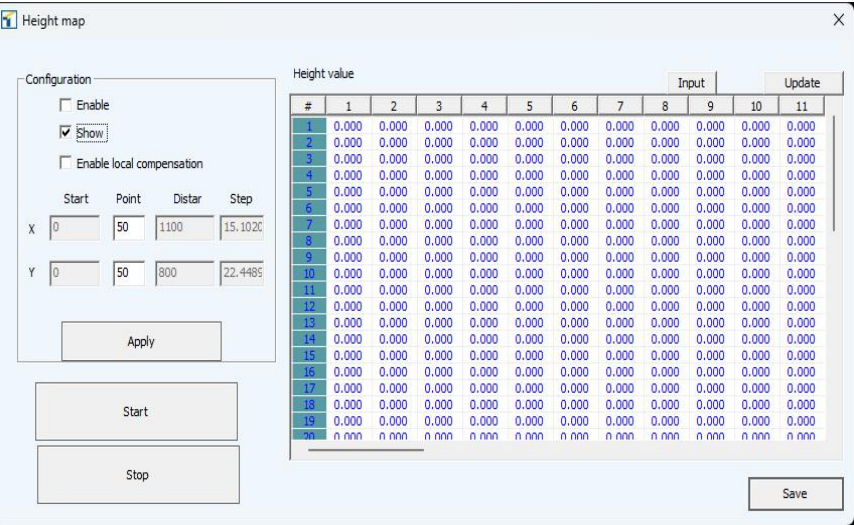
The X9 digital cutter has a strong honeycomb aluminum vacuum table with separate zones for great flatness and stability. It uses tough, breathable 2.5mm felt that lasts long. A powerful vacuum pump ensures strong suction for accurate cutting. Its advanced conveyor allows continuous feeding with no length limits.

Tabletop height compensation function

The tabletop flatness is monitored by a high-precision distance detector, and any unevenness is corrected in real time by software. This compensation prevents variations in cutting depth caused by differences between the tabletop surface and tool drop, ensuring consistently perfect cutting results.



The detection of table flatness done by a high-precision height detector and the function of automatic height compensation of dropping tool protect the tabletop and felt from damage.

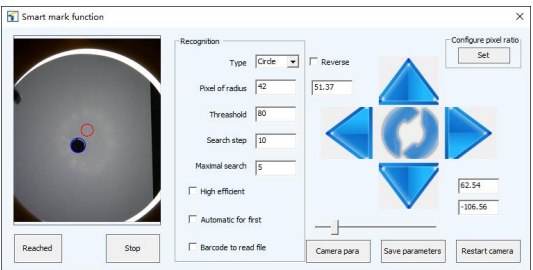


HD Camera

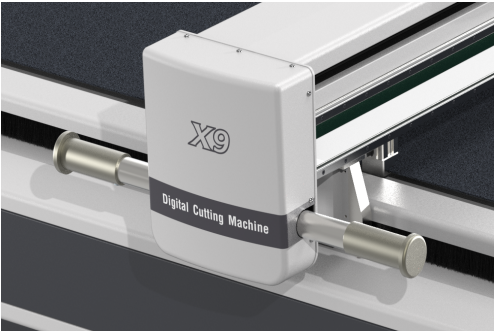
The HD camera is a high-resolution Hikvision industrial camera with a fast 173 FPS frame rate for smooth imaging. It uses a Gigabit Ethernet interface for quick, stable data transfer. Equipped with a quality FA camera lens, it provides sharp, precise images ideal for industrial use.

Automatic Edge-Finding & Positioning

The CCD camera captures images in real time, identifies registration marks, and compensates for pattern deformation to ensure accurate cutting.

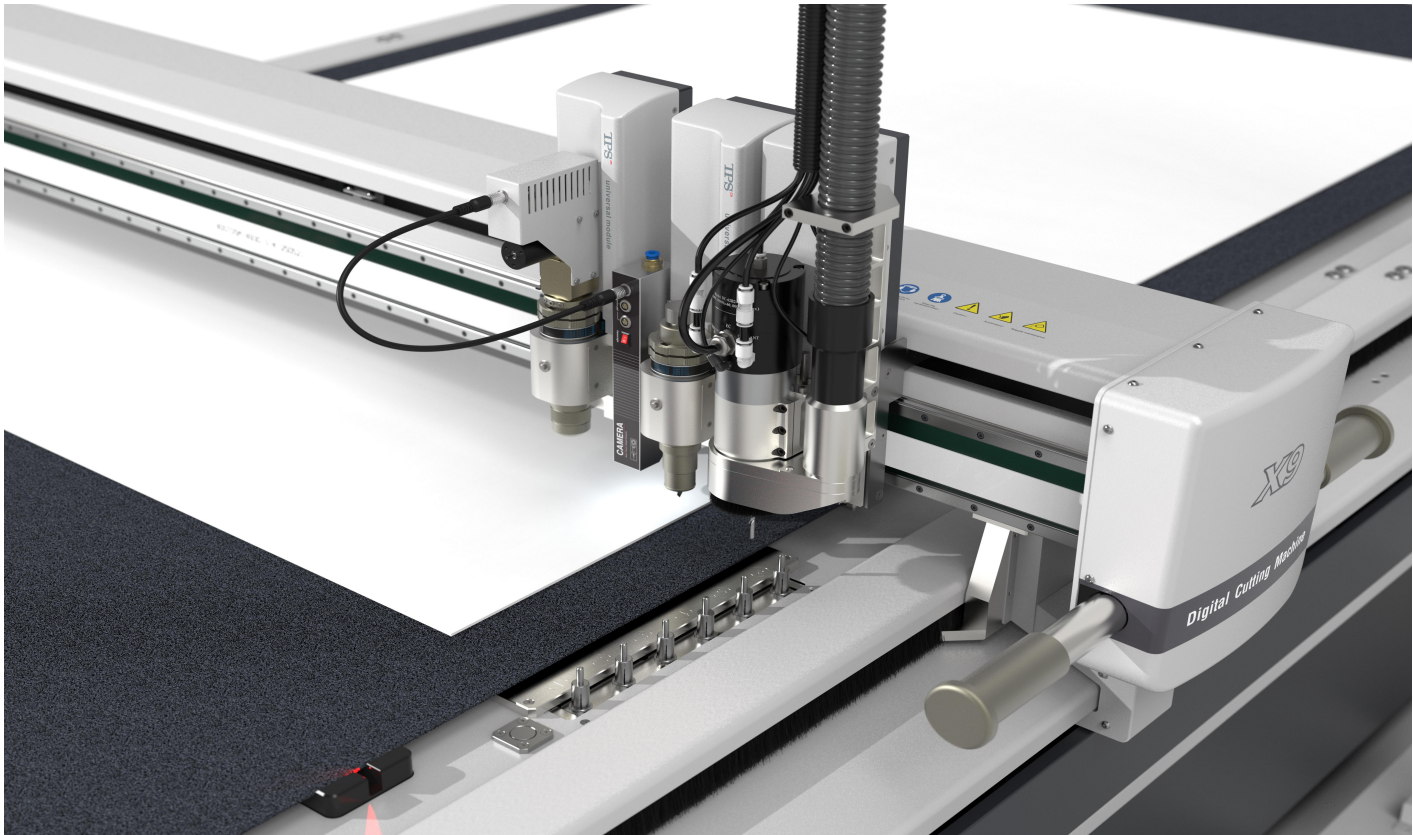


- A. Supports AI, EPS, DXF, PLT, PDF, JPG, TIF, TPS, etc.
- B. Auto vectorization, smoothing, and point correction
- C. Smart mark recognition and layer detection by shape and color
- D. Multiple mark shapes: circle, square, cross
- E. ± 0.1 mm repeat positioning accuracy
- F. Works well even in low-light environments



Safety anti-collision system

Equipped with safety light curtain sensors and mechanical anti-collision mechanism to prevent the device from dam aging personnel during high-speed moving.



1.8KW Router

The router module features a powerful 1.8KW motor that can reach speeds up to 60,000 RPM, delivering high-precision cutting. It supports both water and air cooling to keep the machine running smoothly and prevent overheating. The pneumatic clamping system securely holds materials in place for accurate processing. Additionally, the built-in dust extraction system keeps the workspace clean and ensures flawless edge quality.

Automatic Router Bit Changer (ARC)

The Automatic Router Bit Changer (ARC) enhances efficiency and precision in routing, polishing, and engraving by automating the selection, clamping, initialization, and tracking of router bits. It supports up to six standard bits, making it ideal for complex jobs requiring frequent tool changes. The ARC significantly reduces downtime and virtually eliminates operator error. After each tool change, the system verifies the zero point to ensure consistent and accurate routing depth. During operation, the ARC remains sealed with a protective flap to keep out dust and debris.

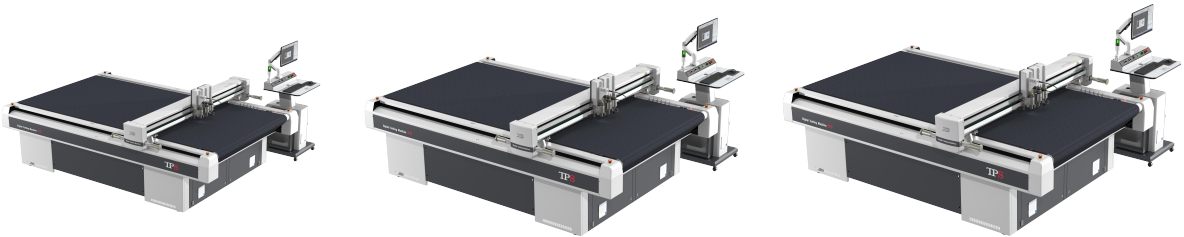
Automatic Knife Installation (AKI)

The pressure-sensitive and laser-guided automatic knife initialization system (AKI) ensures that knife blades and router bits are installed safely, accurately, and quickly. By eliminating the need for manual calibration, AKI significantly reduces the risk of operator errors during tool changes. This not only improves safety but also boosts overall production efficiency, especially in workflows that require frequent tool swaps.

Main technical parameters

Overall dimension:	4040×3080×2280mm	Driven system :	Full servo, linear guide rail, synchronous belt
Working area:	1600×2500mm	Repeatable cutting accuracy :	±0.2mm
Work platform:	Aluminum alloy honeycomb table and conveying carpet	Format of suppoed files:	AI,EPS,DXF,PLT,PDF,JPG,TIF,TPS
Max cutting thickness :	60mm Depending on different material	Equipment power:	12kw
Beam height:	70mm	Power:	380V/220V
Material xation method:	Vacuum adsorption	Positioning method:	Camera
Max cutting speed:	72M/min	Weight:	600KG

Available cutting sizes



Width in mm
1600

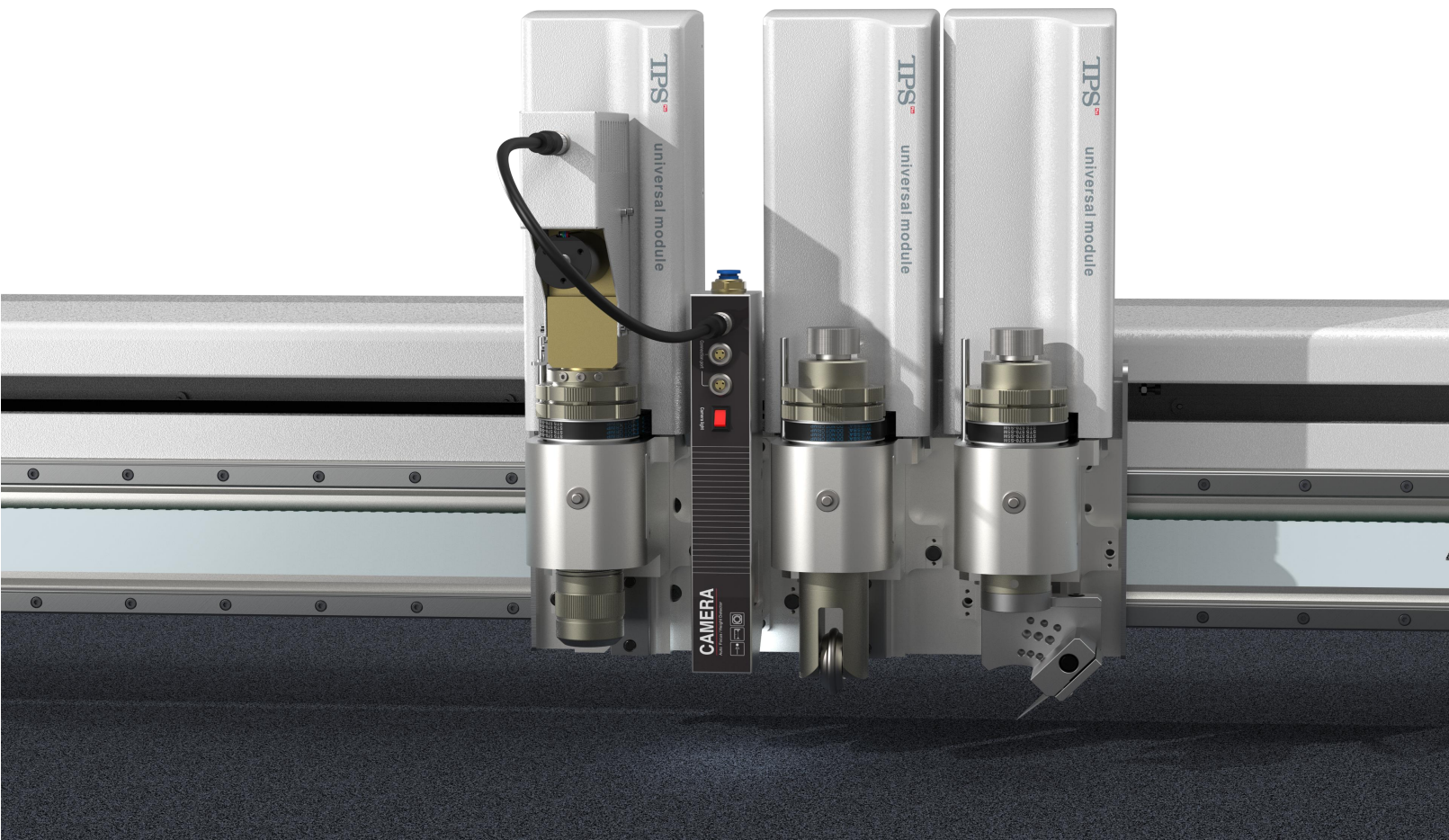
Length in mm
1200, 2500, 3200

Width in mm
2100

Length in mm
3200

Width in mm
3200

Length in mm
2500, 3200



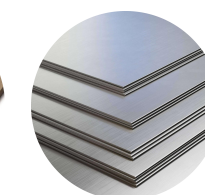
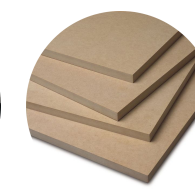
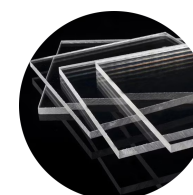
Universal tool module



Universal tool module and tool unit

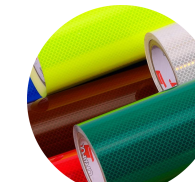
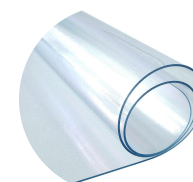


Independent milling system(including imported spindle and vacuum cleaning system)
Suitable for cutting acrylic, aluminum, composite panel and MDF, etc. under 20mm thickness.



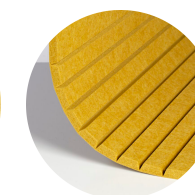
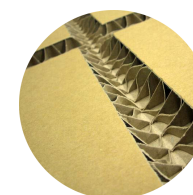
Drag knife

Suitable for cutting a wide variety of flexible material less than 3mm thickness.



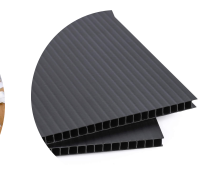
Multi-angle V-Cut tool

It can make V-cut angles of 15°, 22.5°, 30° and 45° for card board less than 20mm thickness.



Creasing tool

Creasing tools are used in packaging industry for making boxes of corrugated board, card board and pp hollow board,etc.



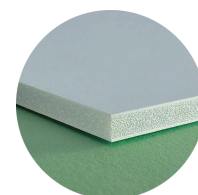
Kiss-cut Tool

Suitable for cutting all kinds of stickers,vinyl, engineering reflective film, etc.



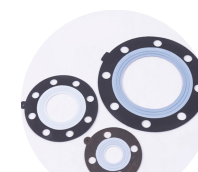
Electric oscillating tool

Suitable for cutting all kinds of corrugated, cardboard, KT board, gray board, composite materials, etc.



Pneumatic oscillating tool

Suitable for cutting seal parts and gaskets material such as asbestos board,asbestos free board, PTFE, rubber board, fluorine rubber board, silica gel board, graphite board, graphite composite board, etc



Driven rotary tool

Suitable for cutting a wide variety of flexible material such as UV fabric, carbon fabric, glass fabric and textiles, etc.

