
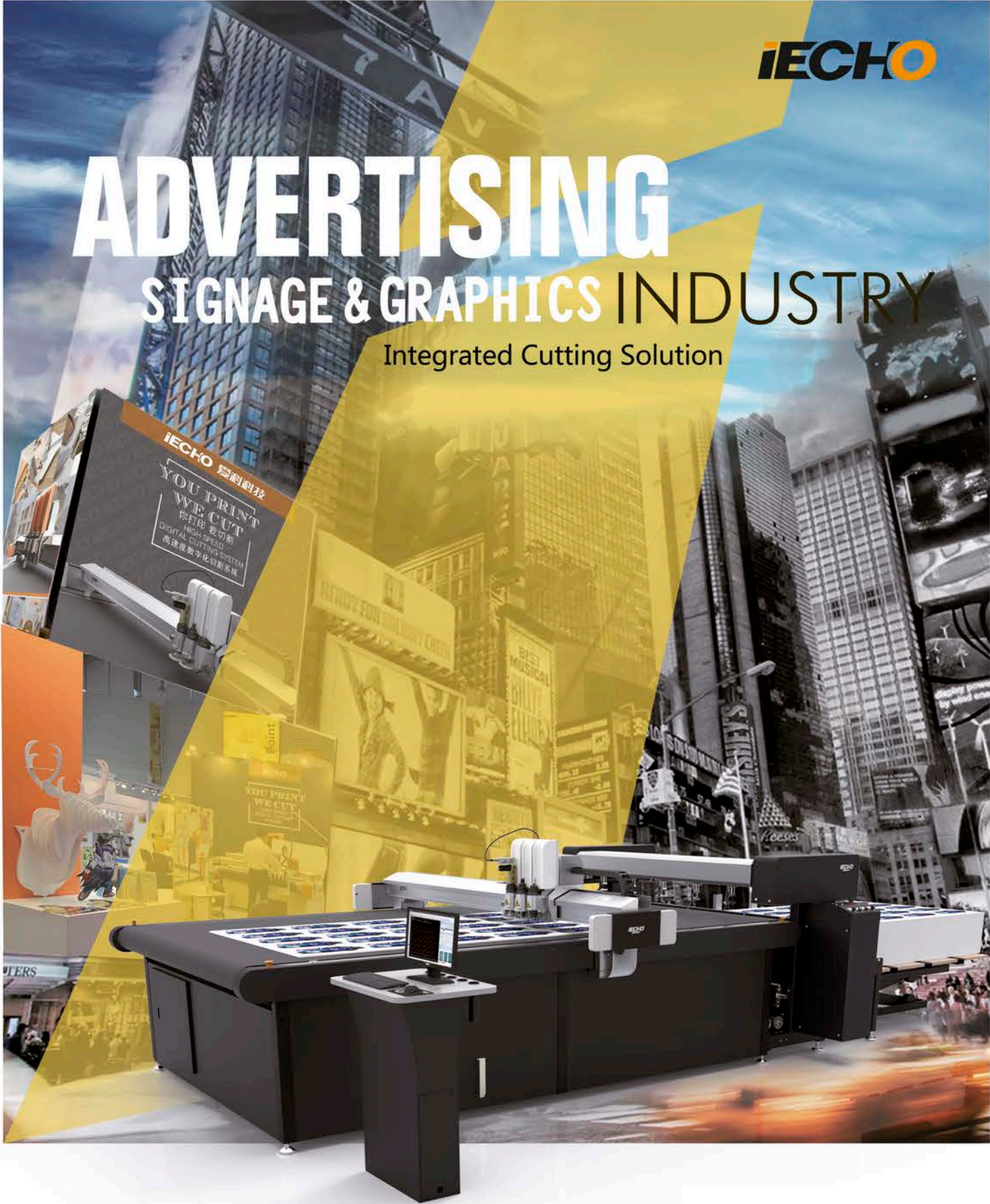


S	M	L	XL	XXL
	BK3-1713 Length 1700mm Width 1300mm 	BK3-2513 Length 2500mm Width 1300mm 		
		BK3-2517 / BK3-3017 Length 2500mm/3000mm Width 1700mm/1700mm 		
		TK3S-2521 Length 2500mm Width 2100mm 	TK3S-3521 Length 3500mm Width 2100mm 	TK3S-5521 Length 5500mm Width 2100mm 
		TK3S-2532 Length 2500mm Width 3200mm 	TK3S-3532 Length 3500mm Width 3200mm 	TK3S-5532 Length 5500mm Width 3200mm 



ADVERTISING SIGNAGE & GRAPHICS INDUSTRY

Integrated Cutting Solution





Man Print & Sign B.V.
 G.G. Schipperstraat 26
 1483 GE De Rijp

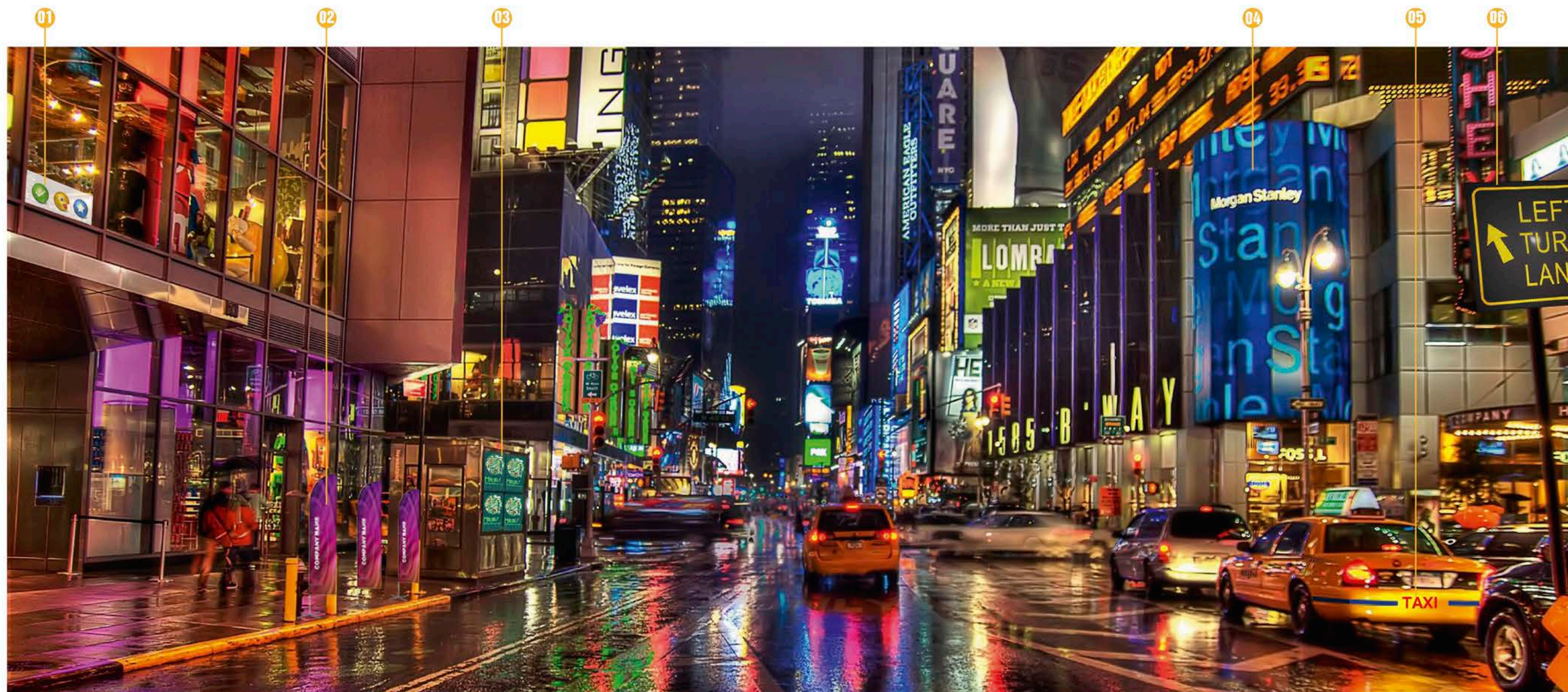
Tel. +31 (0) 299 39 33 90
 E-mail info@manprint-sign.nl

SIGNAGE & GRAPHICS

IECHO • OPEN UP A NEW ERA OF INTELLIGENT POST-PROCESSING

ACCURATE / EFFICIENT / FLEXIBLE / INTELLIGENT

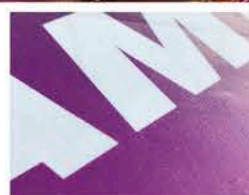




01

KT Board

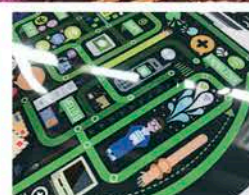
Electrical Oscillating Tool is used to cut KT Board; accurately, fast and efficiently.



02

Textiles

Driven Rotary Tool is used to cut textiles; perfect cutting output



03

Backlit Film

Universal Cutting Tool (Tangential Tool / Drag Knife) is used to cut the backlit film; fast and low-cost.



04

Acrylic

CNC Router is used to cut and engrave Acrylic, PVC Foam, MDF Aluminium Composites; spindle with rotating speed 60000 rpm applicable thickness 20 mm.



05

Car Sticker

CCD Registration System and Kiss-CUT Tool is used to cut vinyl sticker, the cutting depth is automatically adjusted during cutting; accurately,



06

Reflective Materials

Kiss-Cut Tool is used to cut reflective materials; automatic depth adjustment, through cutting and half cutting switchable freely.

CUTTING EXPERT IECHO

THE DIGITAL CUTTING EXPERT BY YOUR SIDE

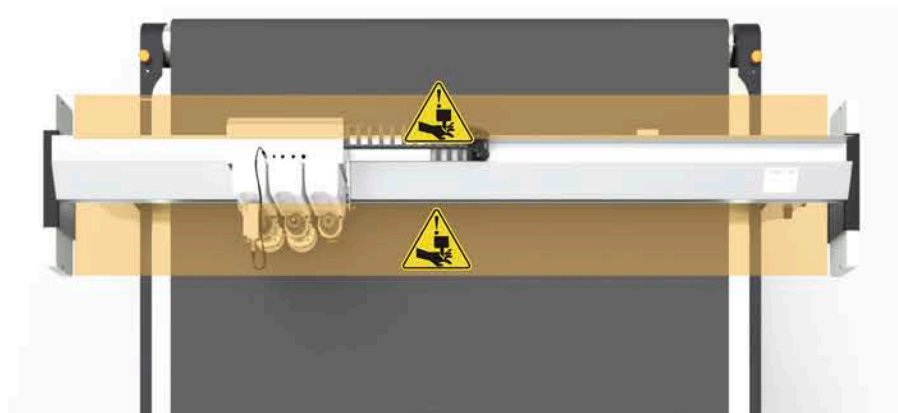
Since founded in 1994, IECHO has been focusing on providing more intelligent and efficient production and processing platform for Post-Processing of Signage & Graphics industry.

IECHO's new integrated high-speed digital cutting system combines high performance with high speed and high quality. Equipped with modularized cutting tools, IECHO cutting systems satisfy customers' unique cutting requirements.

Integrated through-cutting, half-cutting, milling, creasing and marking in one machine, IECHO help the customers complete the innovative, unique and high-quality products quickly and accurately in limited time and space, effectively enhancing the competitiveness of the customers.

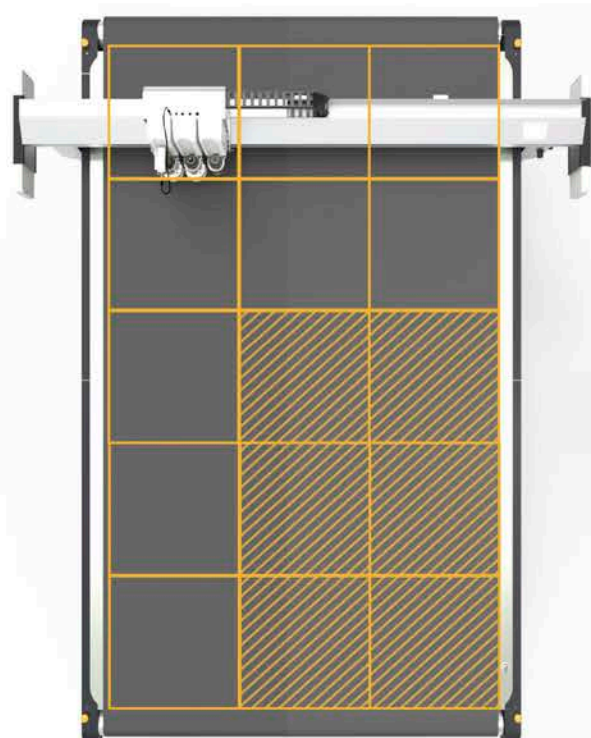
02 / Safety Device

Equipped with infrared automatic sensor device, the Safety Device provides a safe working environment.



03 / Regional Vacuum Suction

The vacuum suction area can be selected according to the sizes of the materials, improving the suction effect.



01 / Energy-Saving Vacuum Pump with Frequency Converter

With frequency converter, the vacuum power is adjustable according to the different materials with low energy consumption.

09 / Modularized Cutting Tools

The modularized design ensures the cutting tools can be used on all the IECHO product series.

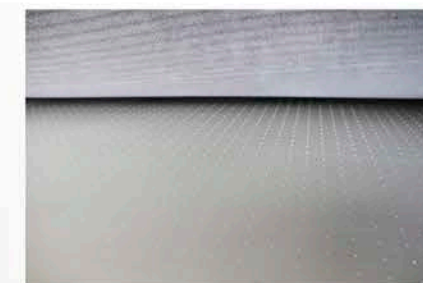
INGENUITY

- Function beyond Imagination

IECHO cutting systems provide the integrated cutting solution for Signage & Graphics

08 / Accurate and Stable Working Table

The cutting table is built with aviation aluminum with honeycomb structure inside; sturdy, high-precision, stable for long-term running.



07 / Convenient Data Management

Barcode system can retrieve the corresponding cutting files automatically, simplifying the operation process.

06 / Comfortable Operating Platform

All the operations are completed by one PC, no touch screen required.



BK3-2517

04 / Automatic Knife Initialization

Adjust the depth of knife automatically, quickly and accurately.



05 / Complete Cutting Tools

IECHO cutting systems have a complete set of cutting tools for the materials (Paper, Vinyl, KT Board, Corrugated board, Foam, PVC, Acrylic, etc.) in Signage & Graphics industry, with through-cutting, half-cutting, V-cutting, engraving, creasing and marking, ect.





High-precision automatic positioning system

With the high-definition CCD camera, locating and contour cutting can be realized on various materials automatically and precisely, which solves the problems of manual positioning and printing distortion so as to achieve a precise cutting result easily. IECHO's diversified positioning mode meets different cutting requirements for different materials with the guaranty of the high precision of the contour cutting.

■ Dot/cross contour-cutting: flexible with multiple ways for positioning with high precision.

■ Back-side contour-cutting: meet the requirements for processing different materials, avoiding over-cutting effectively.

■ Large format contour-cutting: large format materials can be processed with high efficiency and precision by the cooperation of automatic conveyor system.

■ Edge-scanning contour-cutting: scanning material's edge for positioning.



HIGH-POWER ROUTER MODULE

■ High-efficiency application

Router module with high-frequency rotor, which can be used to cut hard materials and soft foamed materials of up to 50mm thickness. Its performance of high speed and efficiency is superior to the traditional cutting equipment, which can maximize the output of the processed materials, and can meet the demand of 24 hours /7 days production.

■ Air cooling system

The system cools spindle and blade by air flow, which significantly extends the lifetime of spindle and blade.

■ Excellent performance

Imported spindle with 1.0kw or 3.6kw power available. Rotation speed can be up to 60000rpm according to different materials' application requirements, having a more smooth cutting edge.

■ Dust suction device

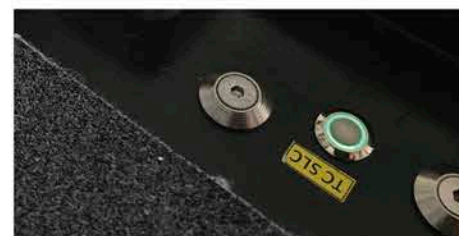
The specialized dust suction device minimizes the dusts during processing.

■ Three-dimensional System

The IECHO 3D system can mill simultaneously in 3-axis (X, Y, Z axis). The system can be used to make three-dimensional relief logos with 3D cutting files.

■ Pneumatic clamp, just one step to complete router bit change

- The efficiency of auto router bit changer is 10 times of ordinary manual changing mode.
- No tools are required for changing.
- The router bit changing can be completed without removing the router module.
- Safe, fast, easy to operate.



■ Fully automatic router bit changer, no need for manual changing, available with multiple blades



■ Up to 9 different types of router bits can be set in the automatic bit changing library

■ One module can realize engraving, milling, lettering, polishing and chamfering

■ Compatible with BK3/TK3S Model

■ Available with oil lubrication device for aluminum processing



■ Automatic router bit cleaning device

- The system automatically cleans the residue on the bit before changing to keep the router bit library clean.



■ The maximal processing depth is 50mm

■ Available bit shank diameters are 4mm, 6mm and 8mm

■ Brush's automatic height detection function

- The brush on the high-power router module is motor-controlled, which can automatically detect material's thickness.



VARIETY OF TOOLS

FOR YOUR SELECTION

— Meet all your cutting requirements

IECHO V-CUT



Specialized for V-cut processing on corrugated materials, IECHO V-Cut Tool can cut 0° , 15° , 22.5° , 30° and 45° .

IECHO CTT



IECHO CTT is for creasing on the corrugated materials. A selection of creasing tools allows for perfect creasing. Coordinated with the cutting software, the tool can cut the corrugated material along its structure or the reverse direction to have a finest creasing result, without any damage to the corrugated material's surface.

IECHO UCT

IECHO UCT can perfectly cut materials with the thickness up to 5mm. Compared to other cutting tools, UCT is the most cost-effective one that allows for the fastest cutting speed and lowest maintenance cost. The protective sleeve equipped with spring ensures the cutting accuracy.



IECHO RZ

With imported spindle, IECHO RZ has a rotating speed of 60000 rpm. The router driven by high frequency motor can be applied for cutting hard materials with the maximum thickness of 20mm. IECHO RZ realizes the 24/7 working requirement. The customized cleaning device cleans up the production dust and debris. The air cooling system extends blade life.



IECHO POT

Driven by compressed air, IECHO POT with 8mm stroke, is especially for cutting hard and compact materials. Equipped with different kinds of blades, the POT can make different process effect. The tool can cut the material up to 110mm by using specialized blades.



IECHO KCT

The kiss cut tool is mainly used for cutting vinyl materials (labels). IECHO KCT makes it possible that the tool cuts through the top part of the material without any damage to the bottom part. It allows high cutting speed for material processing.



IECHO EOT

The Electrical Oscillating Tool is super suitable for cutting the material of medium density. Coordinated with various kinds of blades, IECHO EOT is applied for cutting different materials and is able to cut 2mm arc.



IECHO DRT

The Driven Rotary Tool cuts the materials by the high-speed rotating blades driven by the servo motor. The tool can be installed with circular blades and decagonal blades which are especially suitable for cutting woven materials.



IECHO EOT3

IECHO EOT3 suits for cutting sandwich board, honeycomb materials, vertical corrugated board, thick cardboard and tough leather. The 2.5mm stroke allows the tool cutting and processing thick and hard materials with high speed. The air cooling device can extend the working life of blades.



IECHO PRT

Compared with DRT, IECHO PRT, because of its strong power, is suitable for cutting a wider variety of materials, even for the pretty challenging glass fiber and kevlar fiber.



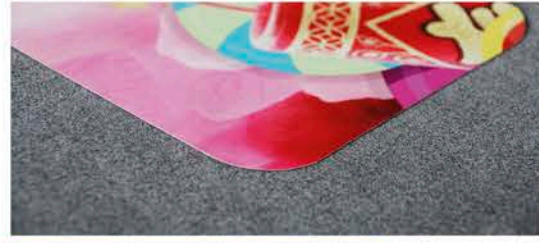


KT board

▶ Logo ▶ Poster ▶ Photo frame ▶ POP display board ▶ Human figure standing

Cutting Tool

EOT V-CUT



PP Paper

▶ Photography ▶ Poster ▶ Roll up banner ▶ Showing Stand

Cutting Tool

UCT



Foam board

▶ Creative toy ▶ Construction model ▶ Human figure standing

Cutting Tool

EOT RZ



Acrylic

▶ Trophy ▶ Sign production ▶ Panel board ▶ furniture decoration ▶ Sculpture products

Cutting Tool

RZ



Vinyl sticker

▶ Label ▶ Logo production ▶ Vinyl materials for banner, automotive and industrial vinyl

Cutting Tool

UCT KCT



Textiles

▶ Flex banner ▶ Flag banner ▶ Soft film ▶ Advertising display

Cutting Tool

DRT PRT



Reflective materials

▶ Traffic signs ▶ Warning signs ▶ 3M

Cutting Tool

UCT KCT



Aluminum composites

▶ Logo production ▶ Showing stand

Cutting Tool

RZ



ABS

▶ Packaging ▶ Showing stand ▶ POP billboard

Cutting Tool

UCT RZ

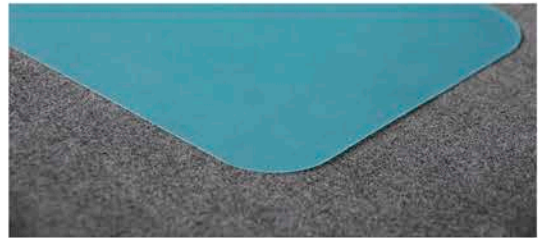


Card board

▶ Color box ▶ Packing paper bag ▶ Creative sample

Cutting Tool

UCT EOT CTT



Plastic

▶ Gift box ▶ Folder ▶ Flex banner ▶ Advertising display

Cutting Tool

UCT EOT



Corrugated paper

▶ color box ▶ carton ▶ POP display

Cutting Tool

EOT CTT



Honeycomb board

▶ protective packaging ▶ Showing stand ▶ Creative works

Cutting Tool

EOT EOT3 V-CUT

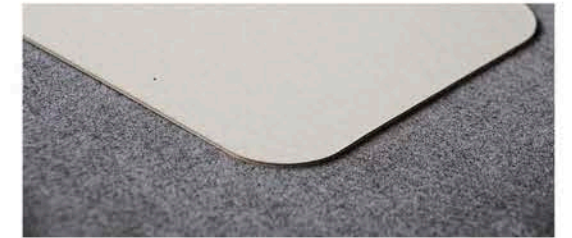


Vertical corrugated board

▶ creative furniture ▶ POP display ▶ semi-permanent showing stand

Cutting Tool

EOT EOT3 V-CUT



Grey board

▶ Packaging ▶ gift box ▶ photo frame ▶ Creative works

Cutting Tool

EOT V-CUT



MDF board

▶ Showing stand ▶ furniture ▶ exhibition ▶ innovative works

Cutting Tool

RZ



Foam

▶ Protective packaging ▶ Sandwich material

Cutting Tool

POT



Corrugated plastic

▶ Packing box ▶ Showing stand

Cutting Tool

EOT EOT3 CTT



Other materials

▶ Please contact us to do performance testing.

For whatever materials and whatever shapes
**WE ARE ABLE TO PROVIDE YOU
THE MOST SUITABLE
CUTTING TOOLS**

AP Auto Processing

IECHO Automatic Intelligent Cutting System

Achieve a Better
Processing Experience

Convenient operation

Convenience and efficiency are the important symbol of Auto Processing system. Under the guidance of professionals, you can master the operation of Auto Processing system within 1 hour, and you can be proficient in the usage of Auto Processing system in one single day.

A barcode management system for cutting tasks

Cutting tasks automatically generate barcodes. The task information corresponds to the barcodes respectively. Customers can quickly get the cutting task through the barcode system.

Automatically add mark points

Cloud Service Module

Users can enjoy the fast online service through Cloud Service Module, which includes:

Remote problem diagnosis: users can get assistance from network engineers on line before having on-site service;
Remote system upgrade: users can have free system upgrades through Internet with latest operating system distributed to the Cloud Service Module.

Automatic Knife Initialization

- precision <0.3mm.
- The efficiency is improved by 300%.
- Applicable for all the tools.

Router with automatic router bit changer

- With automatic router bit changing function, multiple types of router bits can change at random without human labor.
- Up to 9 different types of router bits can be set in the bit holder.
- One module can realize engraving, milling, lettering, polishing and chamfering.
- Automatic router bit cleaning device.

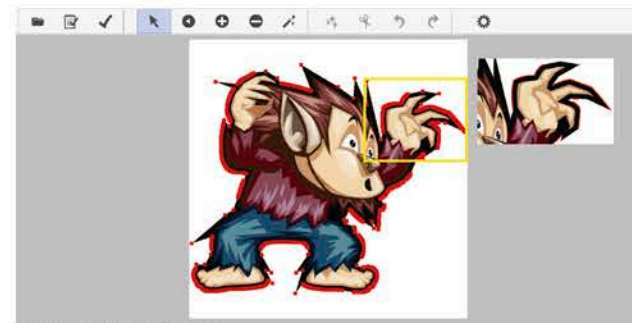
Barcode recognition system

- High-definition camera.
- CCD.
- Barcode scanner.



Intelligent Material Library

- The system contains the processing ways for hundreds of materials from more than ten industries.
- The system can choose the best cutting tool and blade according to the selected material.
- The system can choose the best cutting mode and speed according to the material thickness.
- Router cutting file can be automatically layered. Fast edit cutting files without the need to set individually.
- No experience required to operator.
- Users can create their own material library according to their special materials.
- Compatible with all IECHO products.



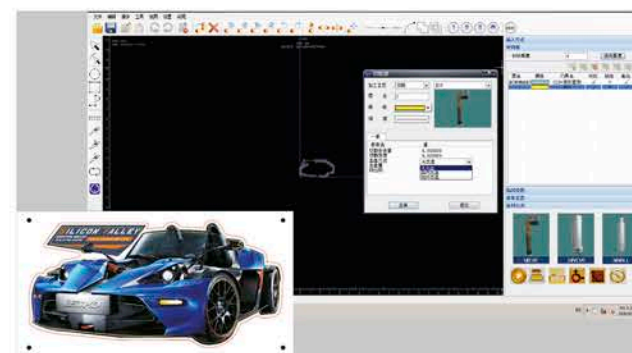
Smooth Line

The system simplifies the process of cut line creation: select the image file format that need to be edited, the system then automatically create cut files.



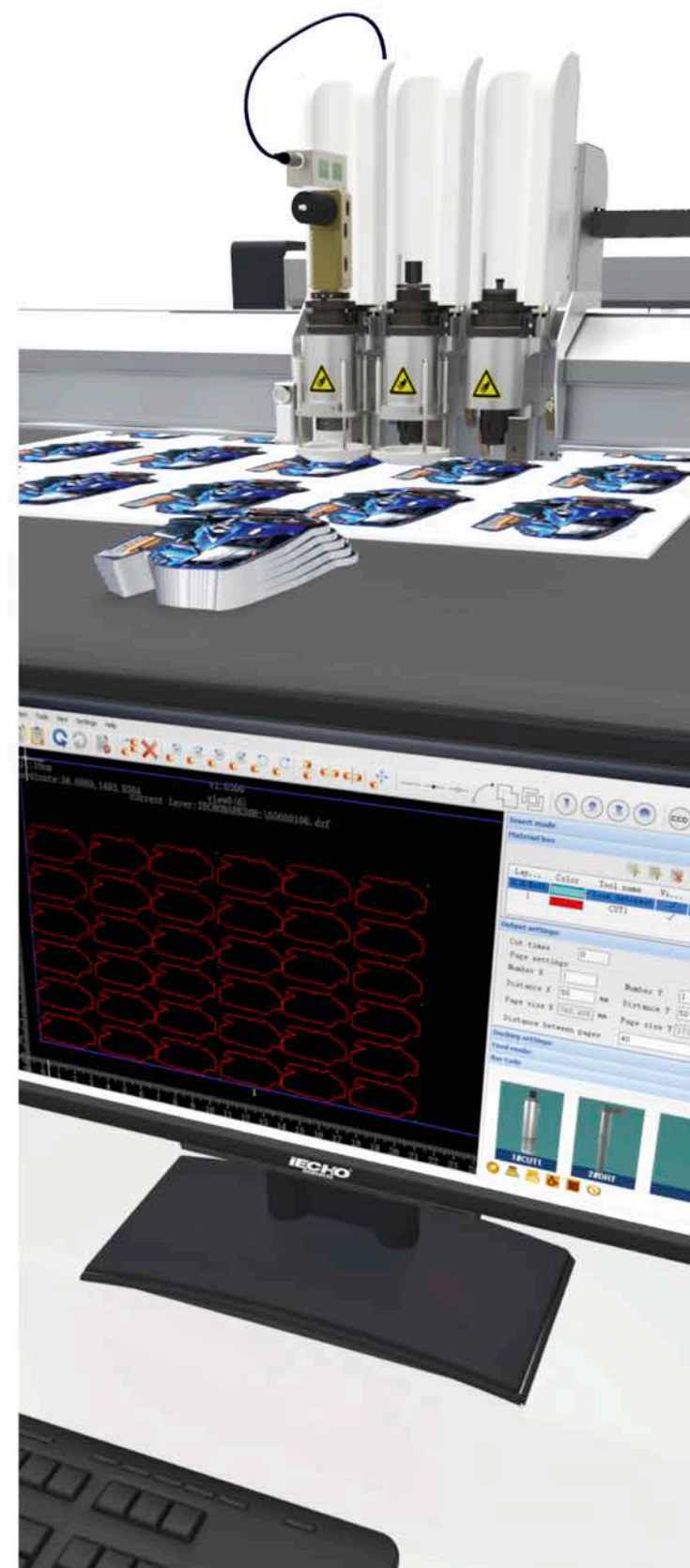
Compatible with different RIP software

Auto Processing system is compatible with Caldera, Wasatch, ONYX, MainTop, etc.

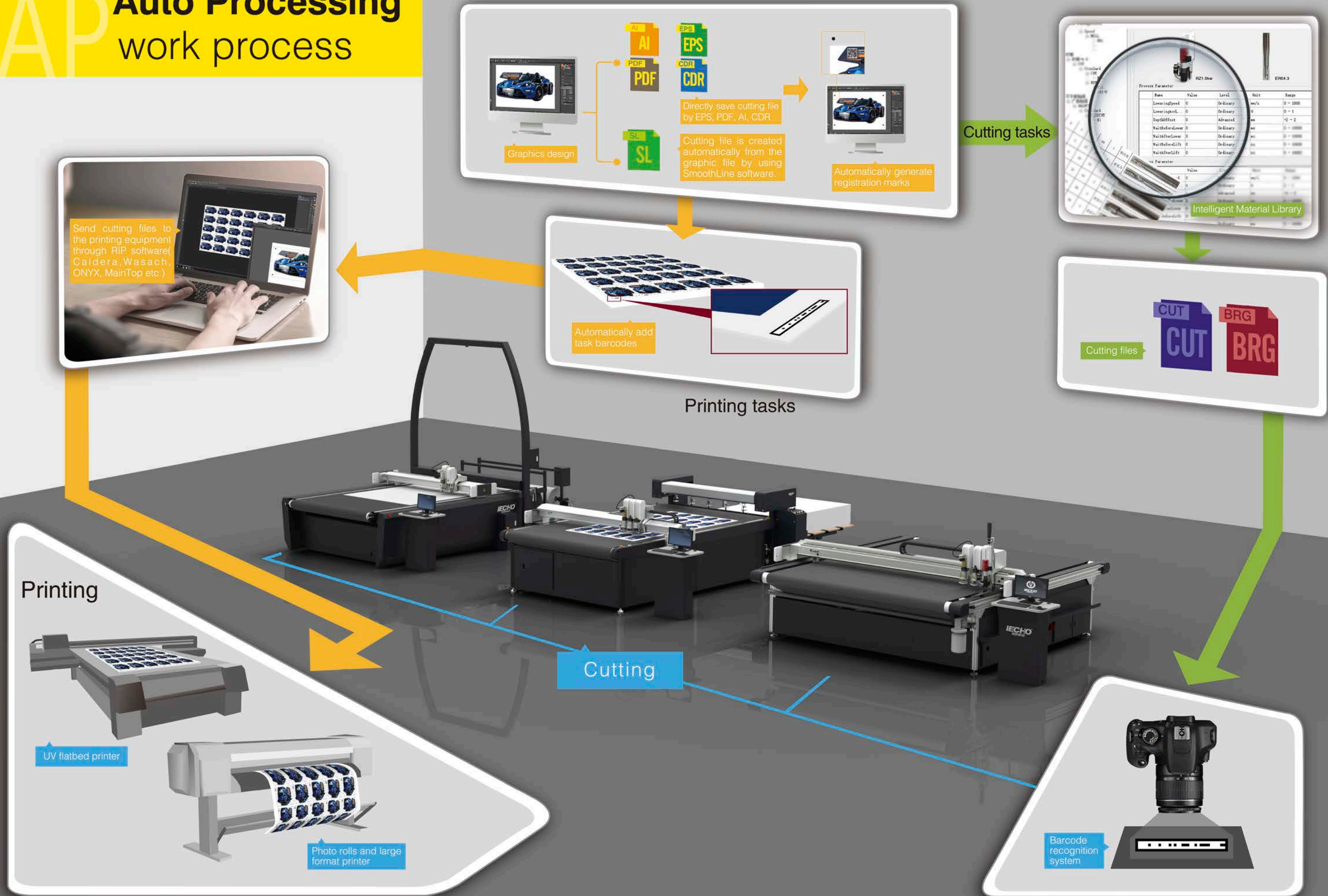


Automatic Bleeding

To cut a perfect edge, Auto Processing system has automatic bleeding creating function, which facilitate users to adjust the bleeding according to their requirements.



AP Auto Processing work process



Large Format Cutting Systems



TK3S-3521 Dual-Beam

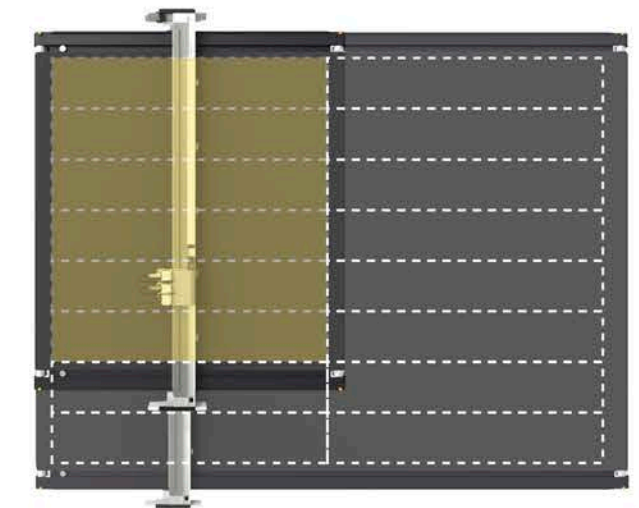
Two motors for X axis

Two motors support the super wide beam, making it more stable and accurate.



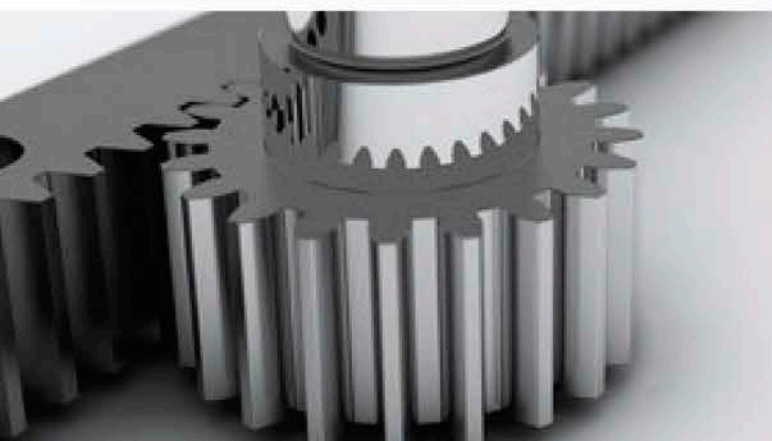
Flexible Working Area

Larger sizes can be customized.



Gear

Provide power for high-speed and long-persistence heavy duty work, ensuring the high repeating accuracy.



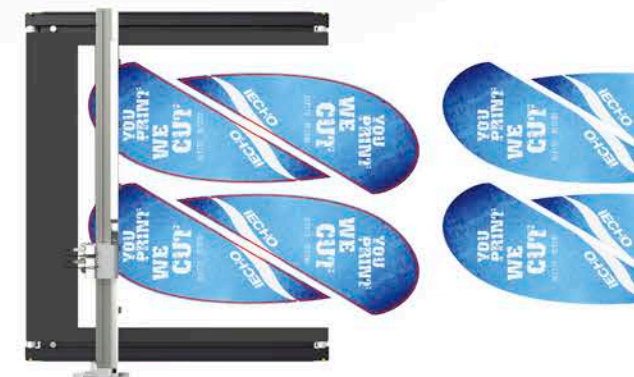
Two AKI Devices

With two automatic knife initialization devices, users can initialize the knife at both sides of the machine.



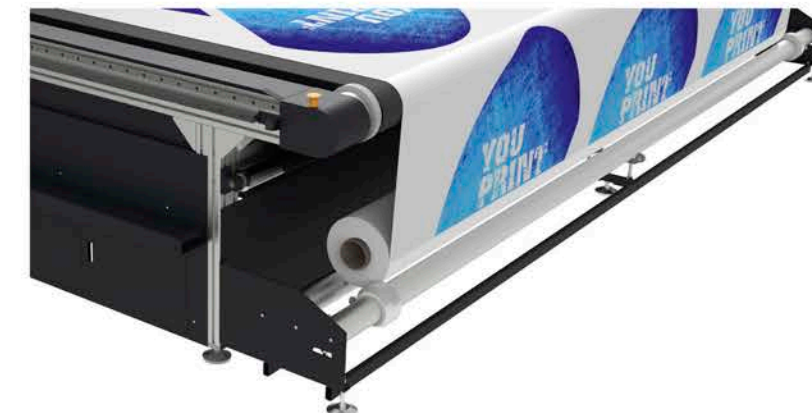
Software

With CCD Camera Registration system, the machine can process continuous-cutting on large format materials.



Roll Material

Machines can be equipped with conveyor system and roll material loading device, can process material with max width of 4850mm, such as fabric, vinyl, advertising cloth, printing cloth.



OUR FOOTPRINTS WORLD MAP

IECHO was founded in 1994, with more than 20 years development on cutting technologies, IECHO is now the leading manufacturer of digital cutting systems in China.

The company provides integrated cutting solutions to Signage & Graphics industry. With good quality and excellent performance, IECHO products are highly praised by the customers from more than 90 countries all over the world.

With continuous innovation, IECHO will keep providing the customers with new intelligent cutting technologies, letting the customers all over the world enjoy the extreme post-processing experience from IECHO.

10

branch offices
in China

More than 90

service offices all
over the world

More than 100

exhibitions

More than 50000

customers in Signage
Graphics industry

