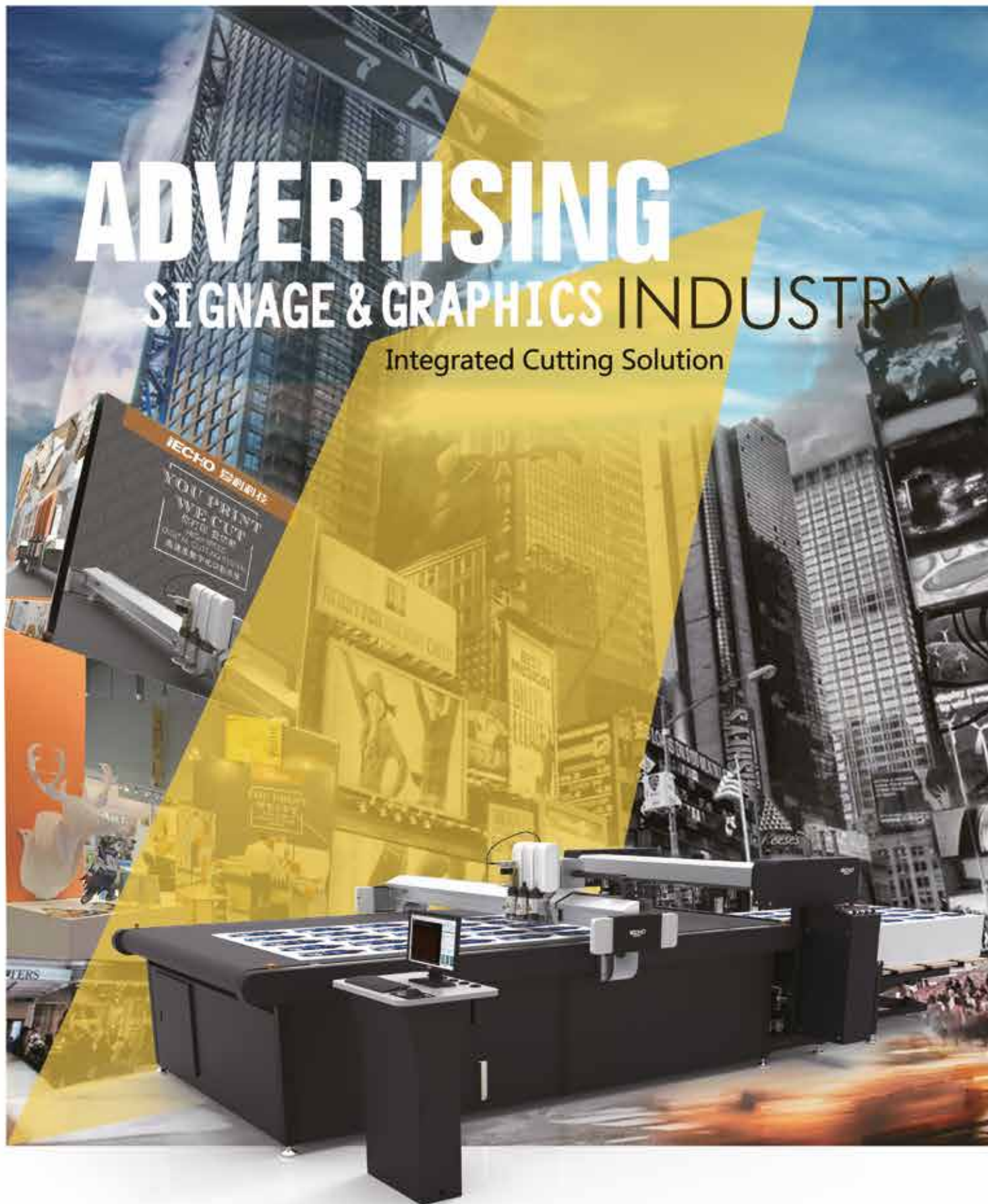


# ADVERTISING SIGNAGE & GRAPHICS INDUSTRY

Integrated Cutting Solution

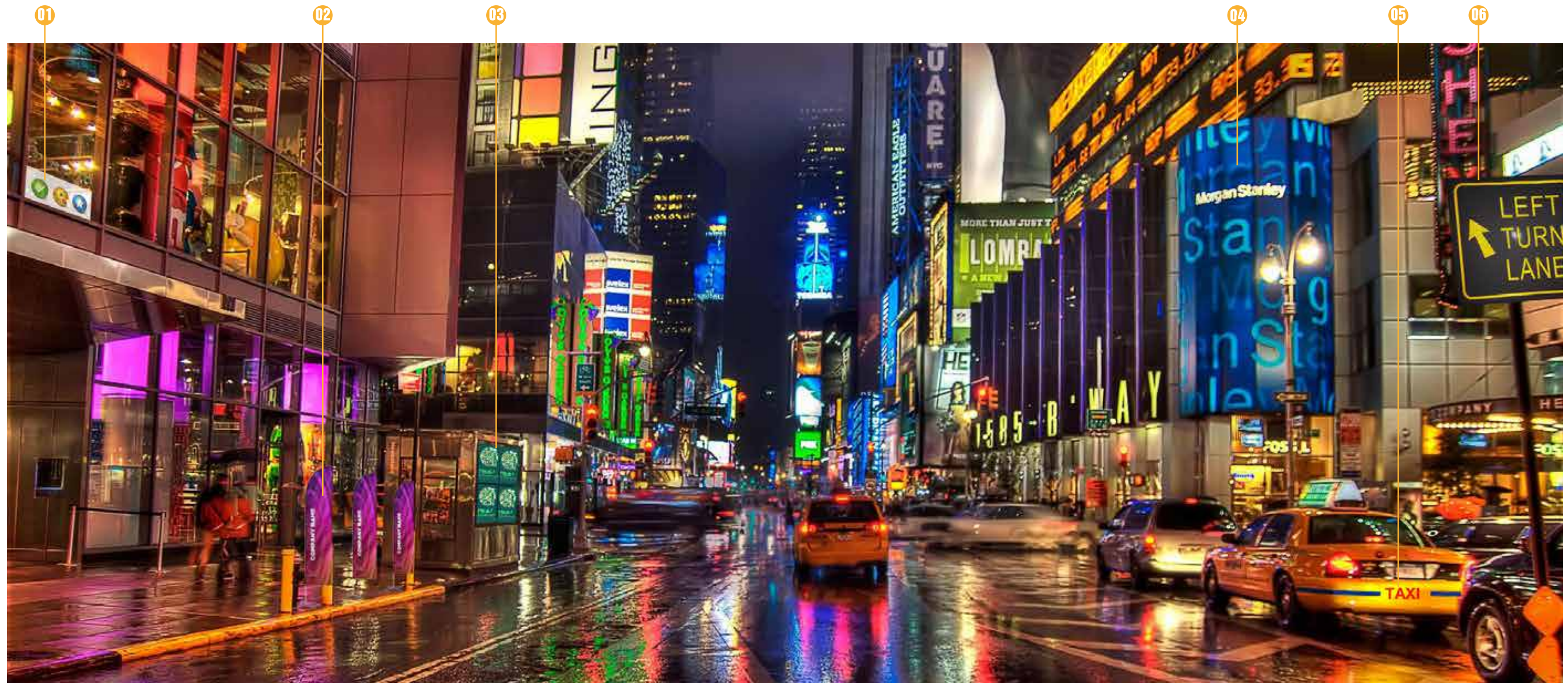


## SIGNAGE & GRAPHICS

IECHO • OPEN UP A NEW ERA OF INTELLIGENT POST-PROCESSING  
ACCURATE / EFFICIENT / FLEXIBLE / INTELLIGENT

**IECHO**  
WWW.IECHOSOFT.COM





## 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 Camera 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.

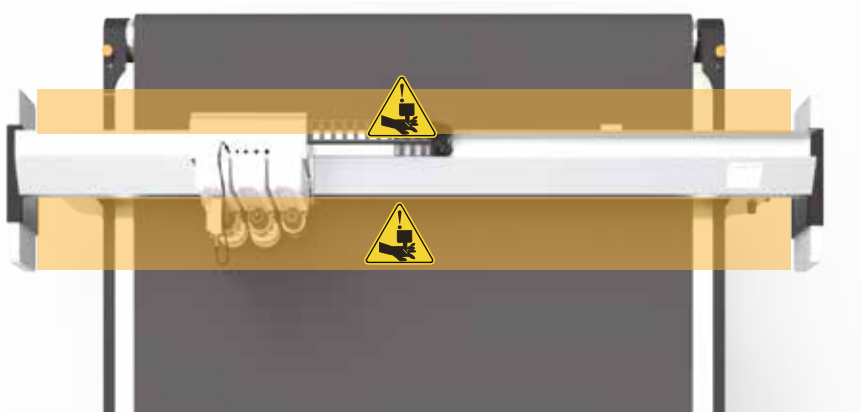
IECHO's new integrated high-speed digital cutting system combines high performance with high speed and high quality. Equipped with modularized cutting tools, IECHO cutting systems satisfy customers' unique cutting requirements.

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.



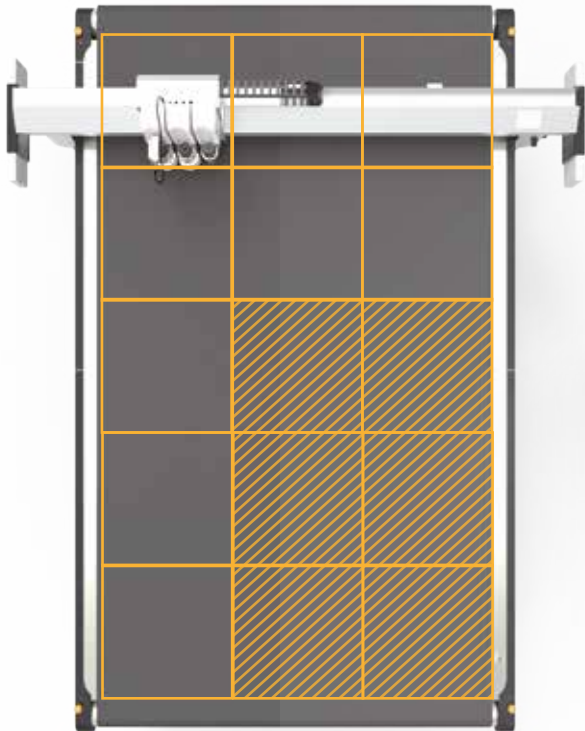
**02 / Safety Device**

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



**BK3-2517**

**08 / Accurate and Stable Working Table**

The cutting table is build 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.

**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

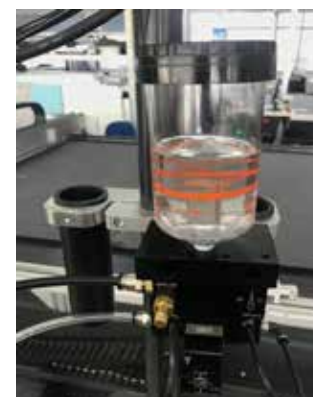


### ■ Up to 9 different types of router bits can be set in the automatic bit changing library

### ■ 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

— 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 decoration ▶ furniture ▶ 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

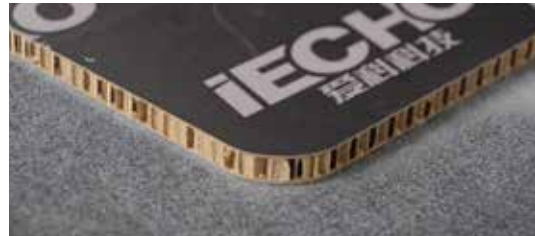


### Honeycomb board

▶ 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**



# Large Format Cutting Systems



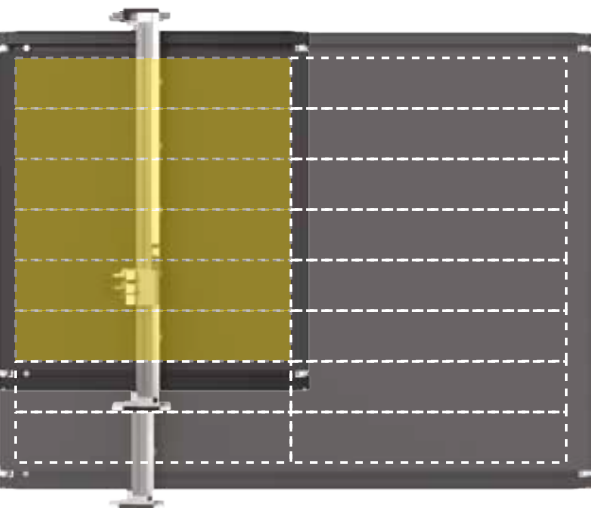
## Two motors for X axis

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



## Flexible Working Area

Larger sizes can be customized.



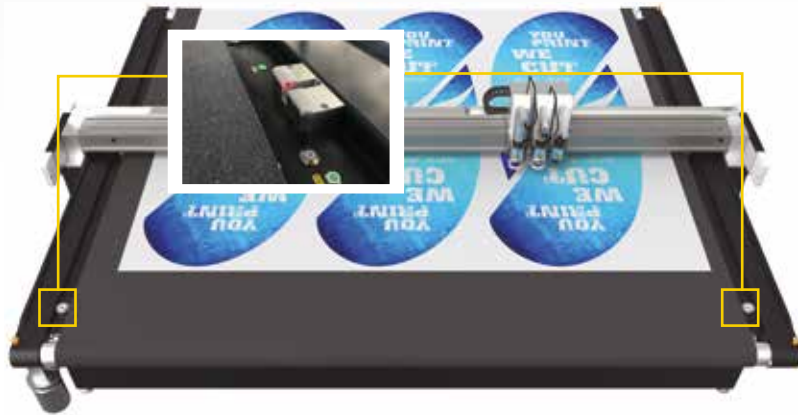
## Gear

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



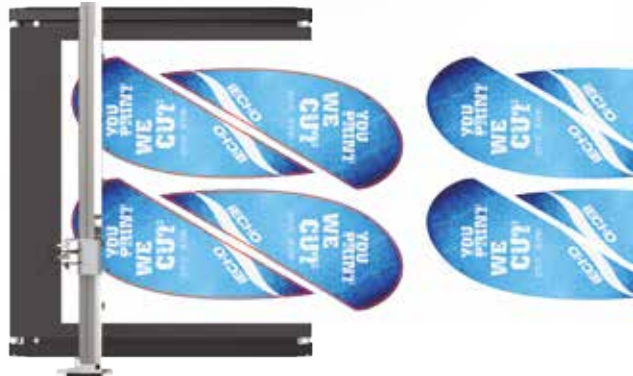
## Two AKI Devices

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



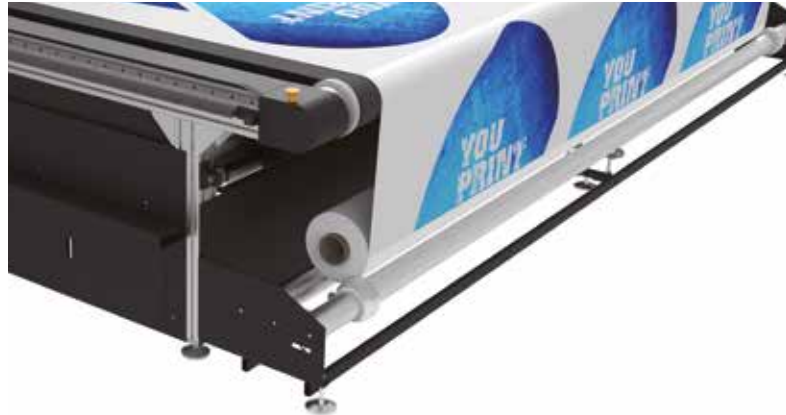
## Software

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.



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



IECHO Science & Technology Co., Ltd.

No.1 Building, No.1 Weiye Road, Binjiang District  
Hangzhou City 310053, Zhejiang Province, P.R. China  
TEL: +86-571-86609560 FAX: +86-571-86698923  
Email: [sales@iechosoft.com](mailto:sales@iechosoft.com) Website: [www.iechosoft.com](http://www.iechosoft.com)