

PRO
SERIES

iECHO

HIGH SPEED DIGITAL CUTTING SYSTEM

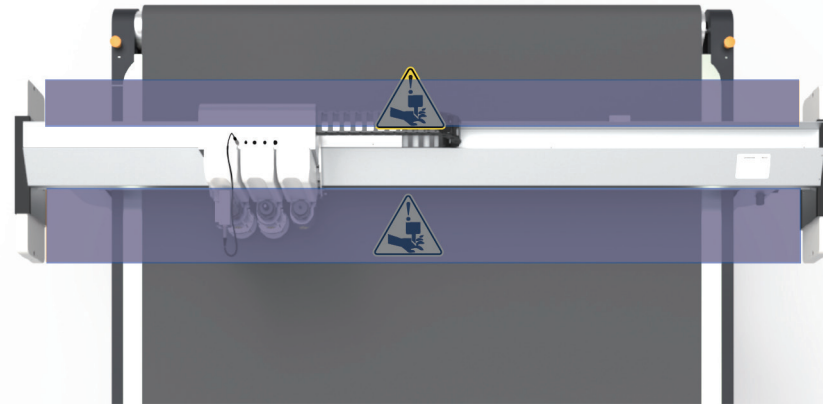
WORLD'S #1 SELLING DIGITAL FLATBED CUTTER



FAST / PRECISE / RELIABLE / INTELLIGENT

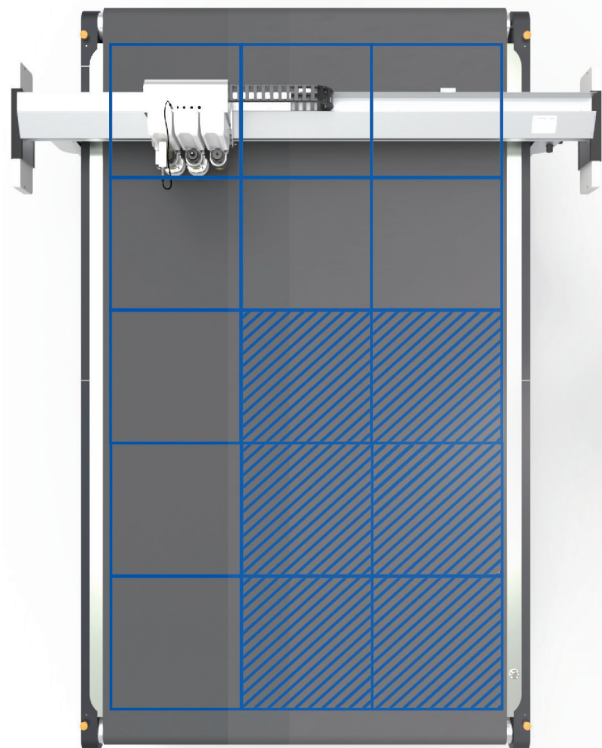
02 / Safety Device

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 size of the materials, improving the suction effect.



01 / Energy-Saving Vacuum Pump with Frequency Converter

With frequency converter, the vacuum power adjusts according to different materials and uses low energy consumption.



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 materials (Paper, Vinyl, KT Board, Corrugated board, Foam, PVC, Acrylic, etc.) The cutting tools support through-cutting, half-cutting, V-cutting, engraving, creasing, marking, etc.



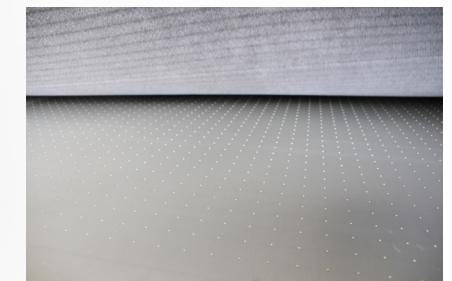
INGENUITY

- Function beyond Imagination

iECHO cutting systems provide the integrated cutting solution you are looking for!

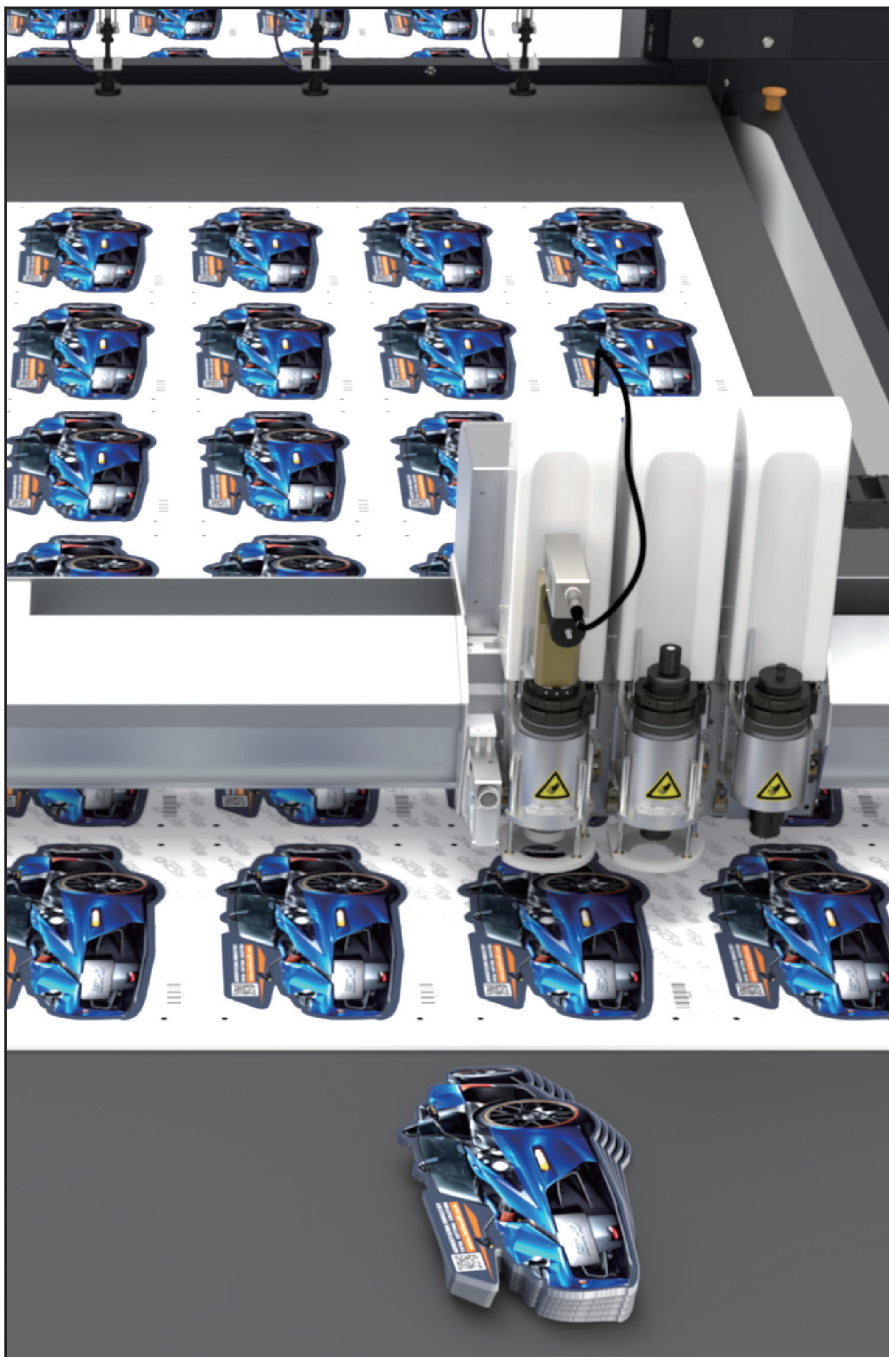
07 / Accurate and Stable Working Table

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



06 / Comfortable Operating Platform

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



High-precision automatic positioning system

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

- Dot/cross contour-cutting: flexible with multiple ways for positioning and high precision
- Back-side contour-cutting: meets the requirements for processing different materials, effectively avoiding over-cutting
- Large format contour-cutting: large format materials can be processed with high efficiency and precision by cooperation of the automatic conveyor system
- Edge-scanning contour-cutting: scanning material edges for positioning



HIGH-POWER ROUTER MODULE

■ High-efficiency application

Router module with high-frequency rotor 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 24/7 production.

■ Air cooling system

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

■ Excellent performance

Spindle with 1.8kw of power available. Rotation speed can be up to 60,000 rpm with different materials application requirements. This allows a smoother cutting edge.

■ Dust suction device

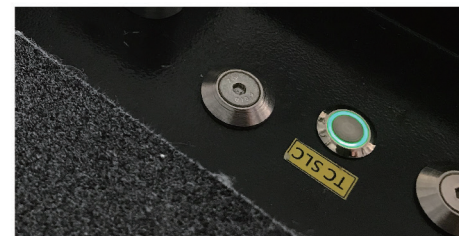
The specialized dust suction device minimizes dust during processing.

■ Three-dimensional System

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

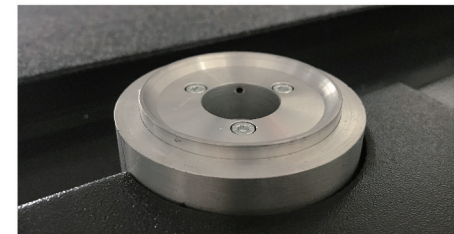
■ Pneumatic clamp, just one step to complete router bit change

- The efficiency of auto router bit changer is 10 times the 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



■ Automatic router bit cleaning device

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



■ The maximum 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 thickness

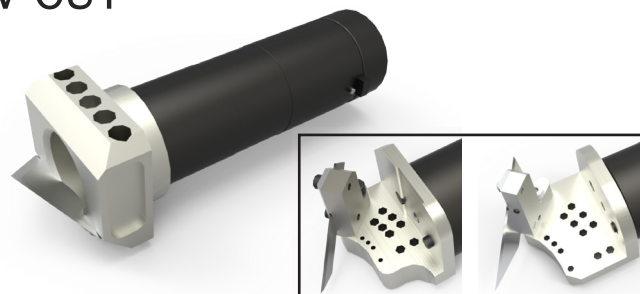


VARIETY OF TOOLS

FOR YOUR SELECTION

— Meeting all your cutting requirements

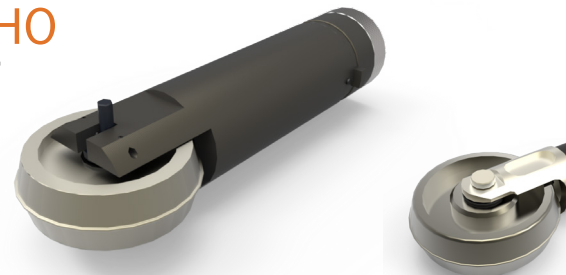
iECHO V-CUT



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

| *Standard*

iECHO CTT



iECHO CTT is perfect for creasing corrugated materials. Coordinated with the cutting software, this tool can cut material along its structure or in the reverse direction to achieve the finest creasing result without any damage to the corrugated material's surface.

| *Standard*

iECHO UCT

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

| *Standard*



iECHO RZ

The iECHO RZ router has a rotating speed of 60,000 rpm. The router, driven by high frequency motor, can be applied for cutting hard materials with the maximum thickness of 20mm. iECHO RZ realizes 24/7 working requirements. Customized cleaning device cleans up the production dust and debris while the air cooling system extends blade life.

| *Standard*



iECHO POT

Driven by compressed air, iECHO POT with 8mm stroke, is perfect for cutting hard and compact materials. Equipped with different kinds of blades, the POT can make a large variety of cuts. Material can be cut up to 110mm by using specialized blades.

| *Optional*



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.

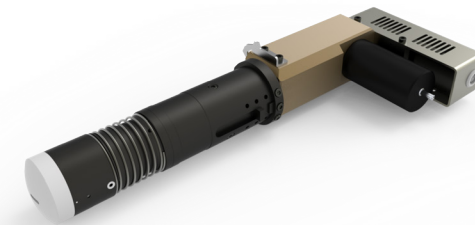
| *Standard*



iECHO EOT

The Electrical Oscillating Tool is extremely suitable for cutting medium density material. Coordinated with various kinds of blades, iECHO EOT is able to cut different materials and achieve a 2mm arc.

| *Standard*



iECHO DRT

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

| *Optional*



iECHO EOT4

iECHO EOT4 is suitable for cutting sandwich board, honeycomb materials, vertical corrugated board, thick cardboard and tough leather. The 2.5mm stroke allows this tool to cut and process thick and hard materials with high speed. Air cooling device can extend the working life of blades.

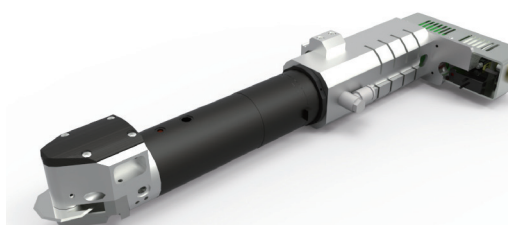
| *Optional*

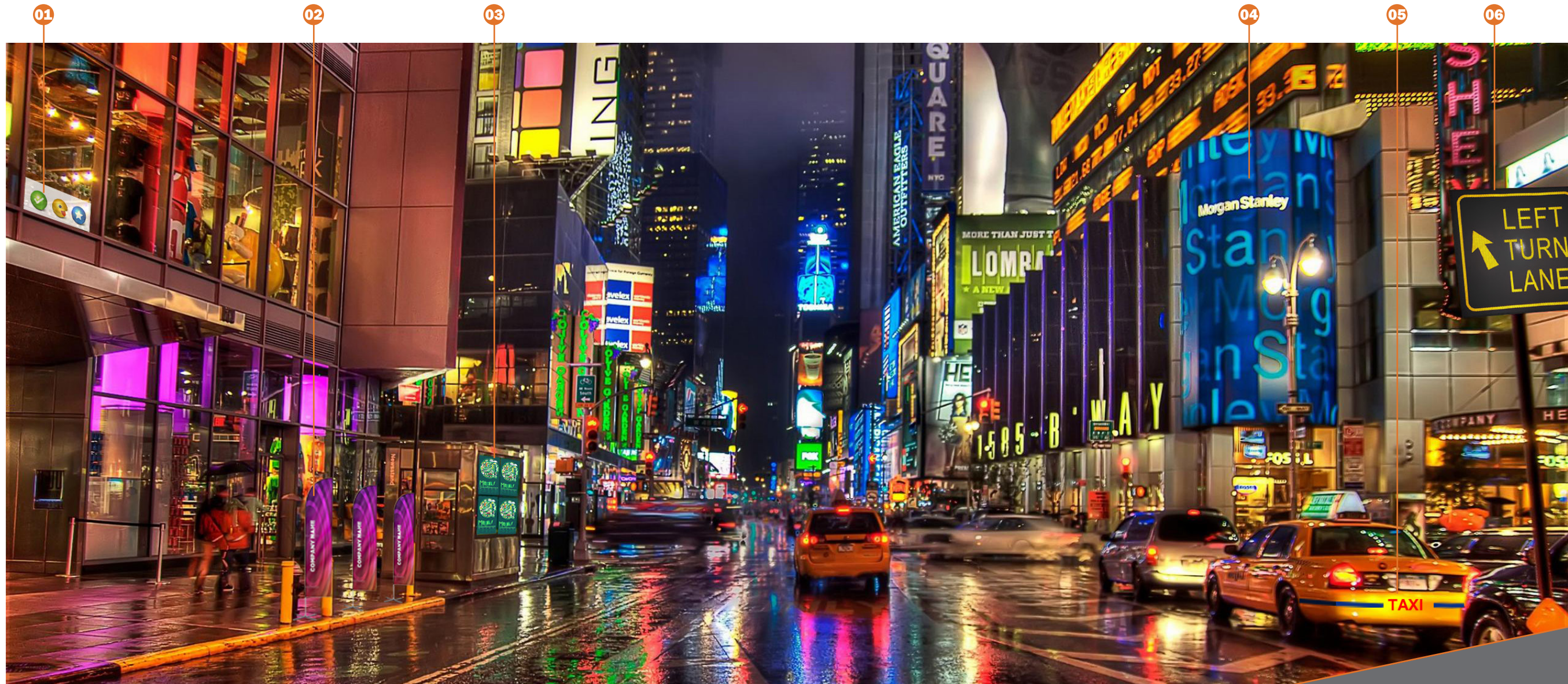


iECHO PRT

When compared with DRT, iECHO PRT, because of its strong power, is suitable for cutting a wider variety of materials. PRT even excels with the challenges of glass fiber and kevlar fiber.

| *Optional*





01 Rigid Substrates

Electrical Oscillating Tool may be used to cut rigid substrates 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 backlit film; fast and low-cost.



04 Acrylic

CNC Router is used to cut and engrave Acrylic, PVC Foam, and MDF Aluminum Composites; spindle with rotating speed at 60,000 rpm and an applicable thickness of 20 mm.



05 Vehicle Graphics

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



06 Reflective Materials

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

CUTTING EXPERT iECHO

THE DIGITAL CUTTING EXPERT BY YOUR SIDE

Since it was founded in 1994, iECHO has been focused on providing more intelligent and efficient production and processing platforms for Post-Processing industries.

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.

Includes integrated through-cutting, half-cutting, milling, creasing and marking in one machine. iECHO helps customers complete innovative, unique and high-quality products quickly and accurately in limited time and space; effectively enhancing your competitiveness.

**AUTOMOTIVE
UPHOLSTERY**

PRO Series cutting system provides a total solution for a wide variety of materials used within the automotive industry including textiles, PVC and many other interior components.



SIGN & GRAPHICS

PRO Series cutting system provides a total cutting solution to the advertising and graphics industry. Cutting can be performed on PP paper, KT board, Foam board, stickers, corrugated board, honeycomb and other materials. Equip it with high-speed milling spindle for acrylic, aluminum plastic plate and other hard materials. Production can be automated full-time with the automatic roll/sheet feeder.



**FURNITURE &
TEXTILE**

PRO Series cutting system provides an integrated cutting solution to the home textile industry. It can significantly improve the textile utilization and processing efficiency, while effectively improving product's quality. Achieve high efficiency of products, low supplies cost, and quality optimization.



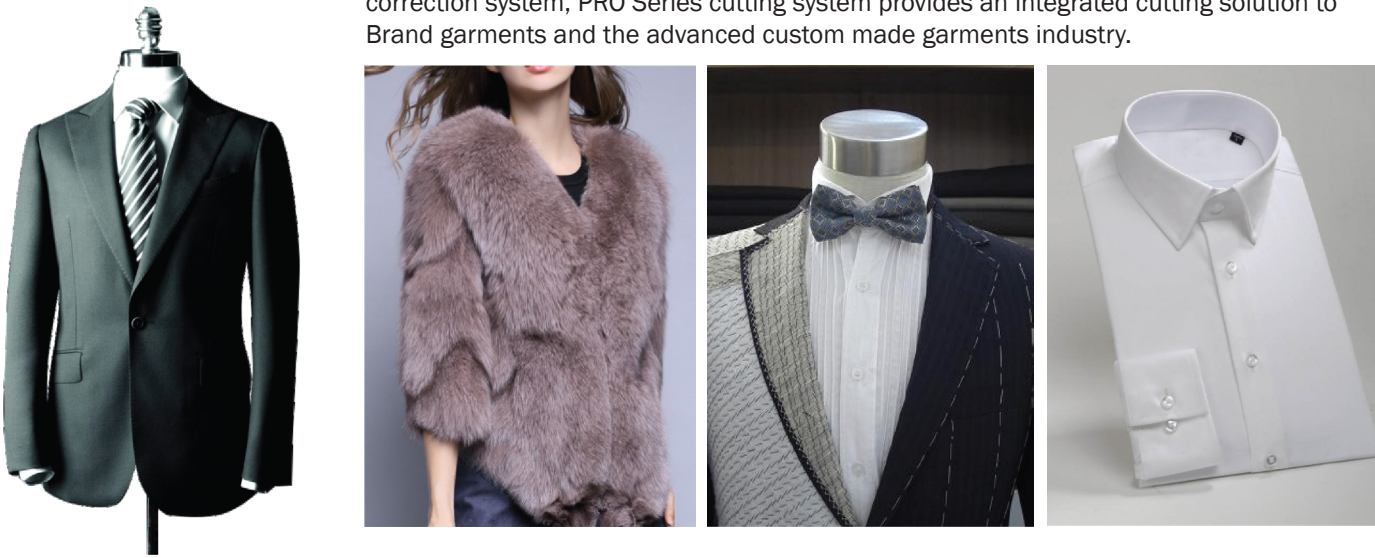
COMPOSITES

PRO Series cutting system can replace hand-painting, hand-cutting and other traditional crafts in the composite material products processing. Especially made for irregular patterns and other complex samples, effectively improving the production efficiency and cutting accuracy.



GARMENT & TEXTILE

Equipped with Driven Rotary Tool (DRT), Notch & Punching Tool (PPT) and automatic correction system, PRO Series cutting system provides an integrated cutting solution to Brand garments and the advanced custom made garments industry.



OTHER INDUSTRIES

PRO Series cutting system provides professional and stable integrated cutting solution for non-metallic industries, such as footwear, luggage, membrane, sporting goods, toys, wind power, medical supplies etc.

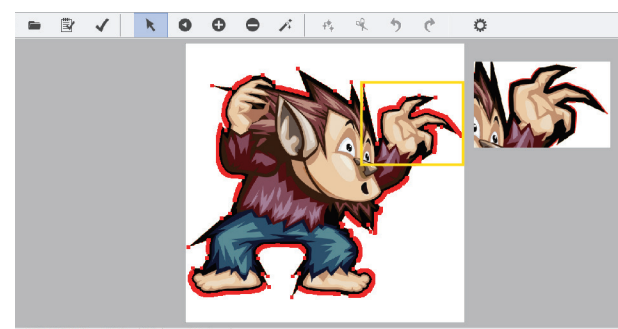
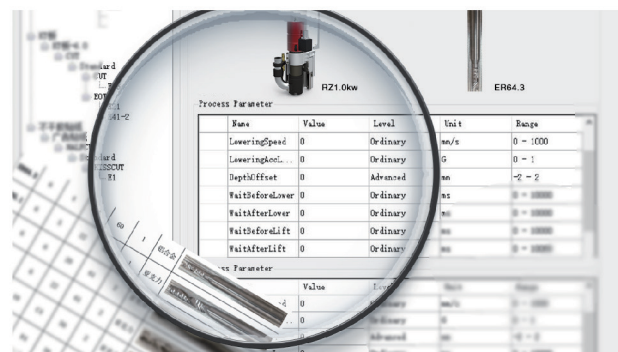


AP Auto Processing

iECHO Automatic Intelligent Cutting System

Achieve a Better
Processing Experience

Available option

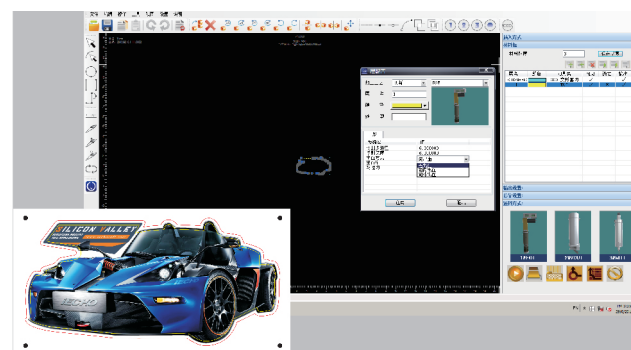


ONYX

CALDERA

MainTop

WASATCH



Intelligent Material Library

- Contains processing ways for hundreds of materials from more than ten industries
- Can choose the best cutting tool and blade according to 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 operate
- Users can create their own material library according to their special materials
- Compatible with all iECHO products



Smooth Line

System simplifies the process of cut line creation: select the image file format that needs to be edited, then the system automatically creates cut files.



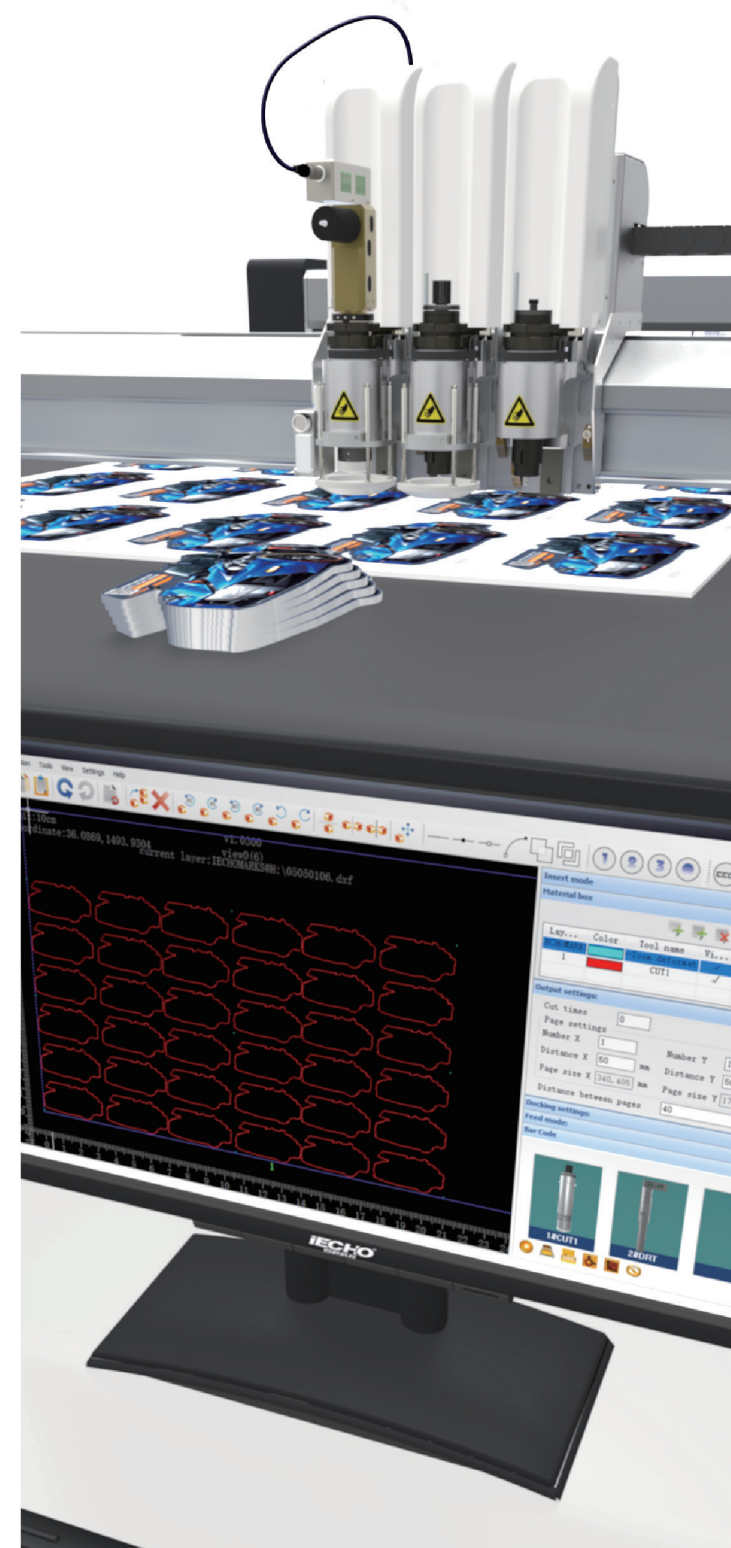
Compatible with Different RIP Software

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 functions, which facilitate users to adjust the bleeding according to their requirements.



Convenient Operation

Convenience and efficiency are the main factors in the Auto Processing system. Under the guidance of professionals, you can master the operation of Auto Processing system within 1 hour and be proficient in the usage of Auto Processing system in a 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 Reads Registration Points

Cloud Service Module

Users can enjoy fast online service through Cloud Service Module. This includes:

- Remote problem diagnosis — users can get assistance from network engineers online before having on-site service
- Remote system upgrade — users 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

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 customers from more than 90 countries all over the world.

With continuous innovation, iECHO will keep providing customers with new intelligent cutting technologies, letting the customer all over the world enjoy the extreme post-processing experience iECHO has to offer.

More than **90**
Service Offices *all*
Over the World

More than **100**
Exhibitions

More than **5,000**
Customers in Signage
Graphics Industry

More than **20,000**
Installations World Wide





PRO SERIES SPECIFICATIONS

Type	PRO1700	PRO3000	PRO T2500	PRO T3500
Cutting Area	67" x 51"	67" x 118"	63" x 98"	63" x 138"
Machine Dimensions	98" x 82"	94" x 145"	91" x 130"	94" x 145"
Equipment Assembly	Ships assembled in one-piece		Assembled on-site	
Max. Cutting Speed	Up to 59 ips			
Cutting Accuracy	.00393" or .09982mm			
Max. Cutting Thickness	1.969" or 50mm			
Data Format	DXF/HPGL/PDF/ISO			
Media Handling	Adjustable Zone Vacuum System			
Vacuum System Power	7.5KW			
Electric Power	220V / 50HZ 380V / 50HZ			
Operating Environment	Temperature 32 °F - 90 °F Humidity 20% - 80%RH			
Warranty	One Year On-Site			



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