

**iECHO<sup>®</sup>**

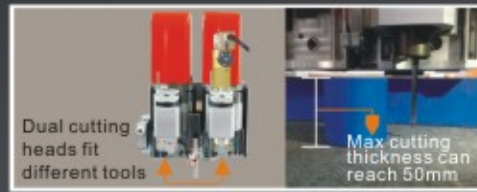
# **BK DIGITAL HIGH SPEED CUTTING SYSTEM**



**iECHO** 爱科科技

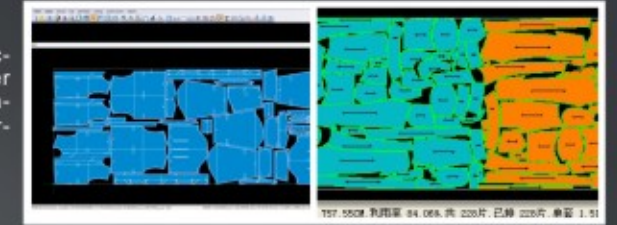
### Efficient Cutting Heads

With a maximum cutting speed of 1 meter per second, the BK High Speed Digital Cutting System is 4-6 times faster than manual cutting.



### IECHO Super Automatic Nesting System

The system can optimally nest items to be cut, taking into account component size, grain direction, pattern repeat or other user defined requirements. The IECHO Super Automatic Marking System will increase your productivity with fast, high precision sampling and production.



### IECHO Automatic Camera Positioning System



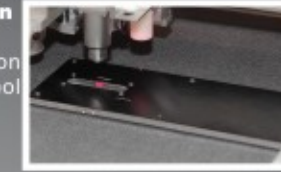
The Automatic Camera Positioning System consistently registers the cutting head to the work piece to within 0.1 mm of the artwork or data supplied.



### IECHO Automatic Knife Initialization



Automatic Knife Initialization adjusts the depth of the tool quickly and accurately.



### IECHO Motion Control System

IECHO CutterServer was developed by IECHO to enable perfect circles and complex curved shapes to be cut accurately and consistently.



### IECHO Safety Device

Safety features are an integral part of the design of the BK Cutting System ensuring operator safety.



### IECHO Modular Customization Solutions



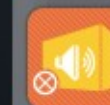
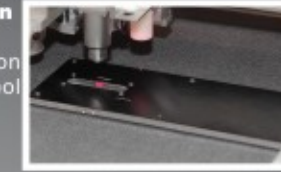
The modular design of the BK Cutting System allows the production of a machine precisely suited to your production requirements and space requirements.



### IECHO Automatic Knife Initialization



Automatic Knife Initialization adjusts the depth of the tool quickly and accurately.



### IECHO Absorber System

The vacuum pump is housed in a box constructed with sound absorbing materials, reducing sound levels from the vacuum pump by 70%, providing a comfortable working environment.



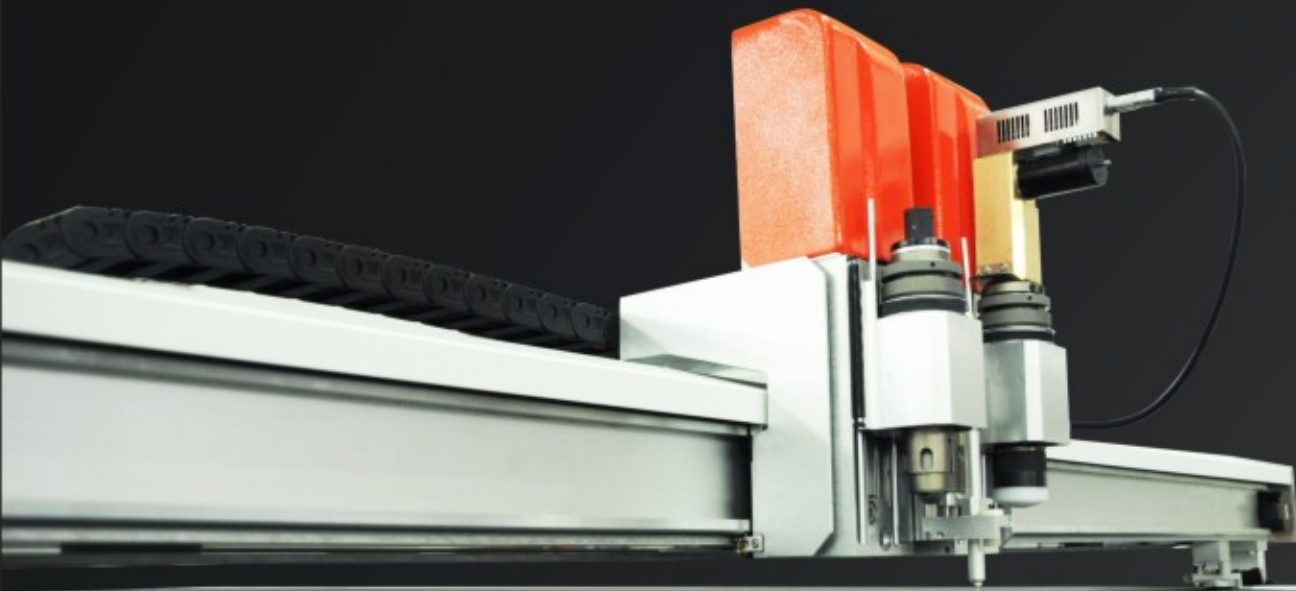
### IECHO Continuous Cutting System

The Continuous Cutting System enables materials to be fed, cut, and collected automatically, maximizing productivity.



# BK DIGITAL HIGH SPEED CUTTING SYSTEM

The BK Cutting System provides an integrated solution for all your sampling, and short run production needs. An extensive selection of knives and pens are available to allow the system to intelligently and precisely cut, kiss cut, punch, and plot. The BK cutting system interfaces with most design software, and allows you to complete the transition from time consuming manual sampling to high speed precision sampling, and also supports short run production needs as well.



## PARAMETERS

Type	BK1311	BK1713	BK2011	BK2516
Cutting Area	1300mmx1100mm	1700mmx1300mm	2000mmx1100mm	2500mmx1600mm
Floor Area	2100mmx1900mm	2500mmx2100mm	2800mmx1900mm	3300mmx2400mm
Length	800mm-5000mm			
Width	800mm-5000mm			
Speed	1000mm/s			
Precision	0.1mm			
Thickness	50mm			
Data format	DXF, HPGL, PDF, ISO			
Interface	Serial Port			
Media	Vacuum System			
Pump Power	7.5KW / 9KW / 11KW			
Power	220V/50HZ 380V/50HZ			
Operating Environment	Temperature 0°C-40°C Humidity 20%-80%RH			

## Sign & Advertising/ Packaging

The BK Cutting System provides a total solution to the needs of the sign and advertising industry. Sampling and production on substrates such as corrugated, chipboard, honeycomb and KT board are easily performed. The high RPM milling tool also supports fabrication of acrylic, aluminum/plastic panels, and other hard materials. With the automatic stacker, the BK Cutting System supports efficient production runs.



## Automobile Upholstery

The BK Cutting System provides a total solution for a wide variety of materials used in the automotive industry including textiles, PVC, and many other interior components.



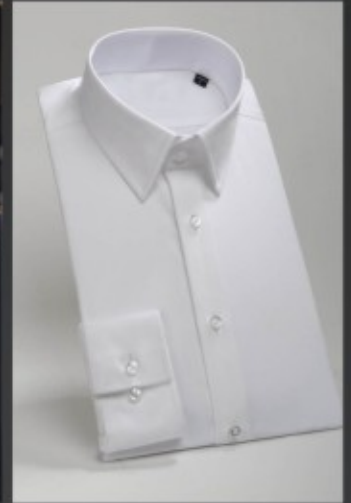
## Composites

The BK Cutting System virtually eliminates time consuming hand drawing, and manual cutting operations. The more complex and challenging the assignment, the more benefits you will realize in productivity and accuracy by using the BK Cutting System.



## Garment & Textile

The BK Cutting System is well suited to the needs of garment and textile producers for product development or for the manufacture of high end custom clothing. The combination of the DRT tool and PPT head plus automatic material loading with edge control provides great flexibility and versatility.



## Gasket

The BK Cutting System can replace traditional die cutting in the manufacturing of gaskets from nearly all materials.



## Sports Goods

The BK Cutting System supports the needs of the sporting goods industry, efficiently and accurately cutting nonmetallic substrates such as carbon fiber, fiberglass materials, polyethylene, and other materials used in the manufacturing of snowboards, and other composite items.





**IECHO EOT** Electronic Oscillating Knife for cutting soft and medium density materials, available with 1mm stroke.



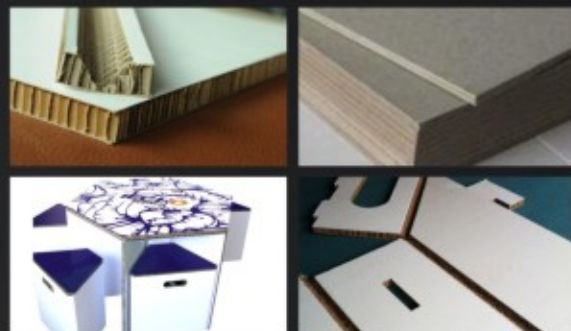
**IECHO DRT** Driven Rotary Tool for cutting textiles.



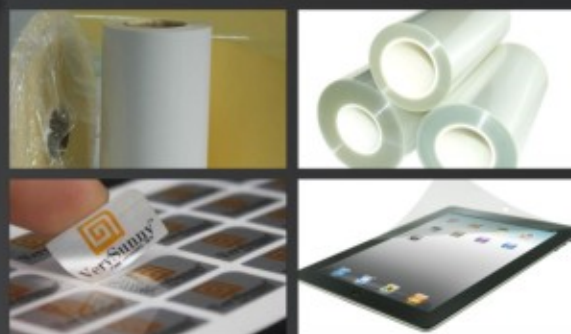
**IECHO UCT** Universal Cutting Tool, used for through cutting materials with thicknesses up to 5 mm at high speed at low cost.



**IECHO V-CUT** The V-Cut tool is the perfect tool for producing complex structural designs from foam core or sandwich board materials. The tool can be set for cutting 5 different angles for different cutting requests. The 5 different angles are 0°, 15°, 30°, 45° respectively.



**IECHO KCT** Kiss Cut Tool, for cutting vinyl, foil, films, thin paper, cardboard and other thin materials.



**IECHO CTT** The CTT Tool is used for creasing corrugated materials. A selection of creasing tools allows perfect creasing in many substrates.

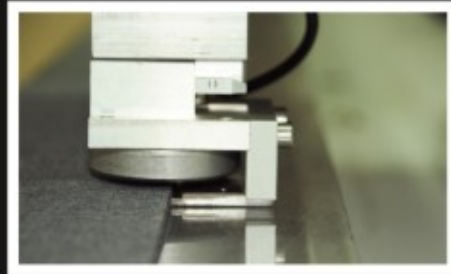
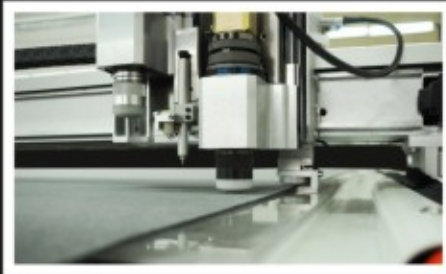


**IECHO RZ** The router operates at speeds up to 60,000 RPM, and delivers solid performance on a wide range of rigid and flexible materials. Highly precise engraving capabilities include kiss cutting. Efficient dust extraction helps maintain a clean healthy work environment.



**IECHO POT** The Pneumatic Oscillating Tool is an air driven tool operating at high frequency to cut materials. Stroke is adjustable up to 8 mm, and is capable of cutting hard dense materials. Blades are available to permit cutting materials up to 50 mm thick.





***IECHO***<sup>®</sup>

**IECHO Science Technology Co., LTD**

No.1 Building, The Software Park  
No.1 Wei Ye Road, Binjiang District  
Hangzhou City 310053, Zhejiang Province, P.R.China

Phone: +86-571-8660 9560 Fax: +86-571-8669 8923  
Website: [www.iechosoft.com](http://www.iechosoft.com) Email: [sales@iechosoft.com](mailto:sales@iechosoft.com)