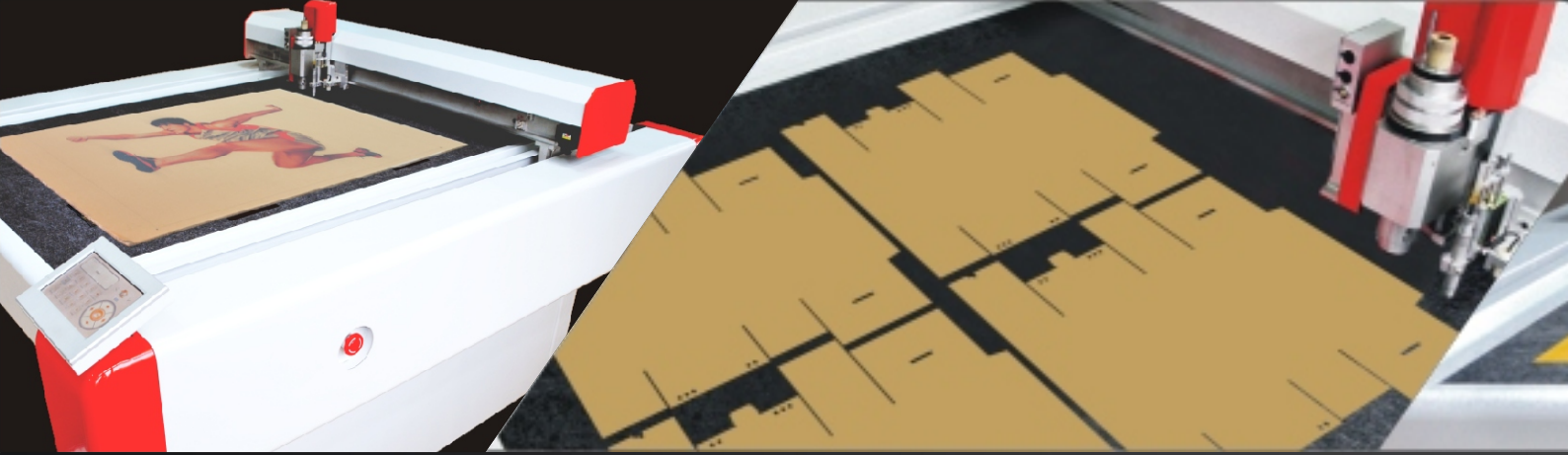


# BK HIGH SPEED DIGITAL CUTTING SYSTEM







### **SIGN & ADVERTISING INDUSTRY**

BK cutting system supplies the total solution to sign & advertising industry, especially suited to registration cutting of white cardboard, sticker, acrylic, PVC, corrugated board and honeycomb board, the system has improved the process flow of sign & advertising companies, accelerated production efficiency and enhanced product quality.



### **PACKAGING INDUSTRY**

Common carton sample cutting machine only meets the former sample making process, while BK carton cutting system meets small production requirement, which can cut all kinds of packaging materials easily, such as corrugated board, white cardboard, grey cardboard and PVC, maximizes the possibility of rapid completion of orders for the printing and packaging factories.



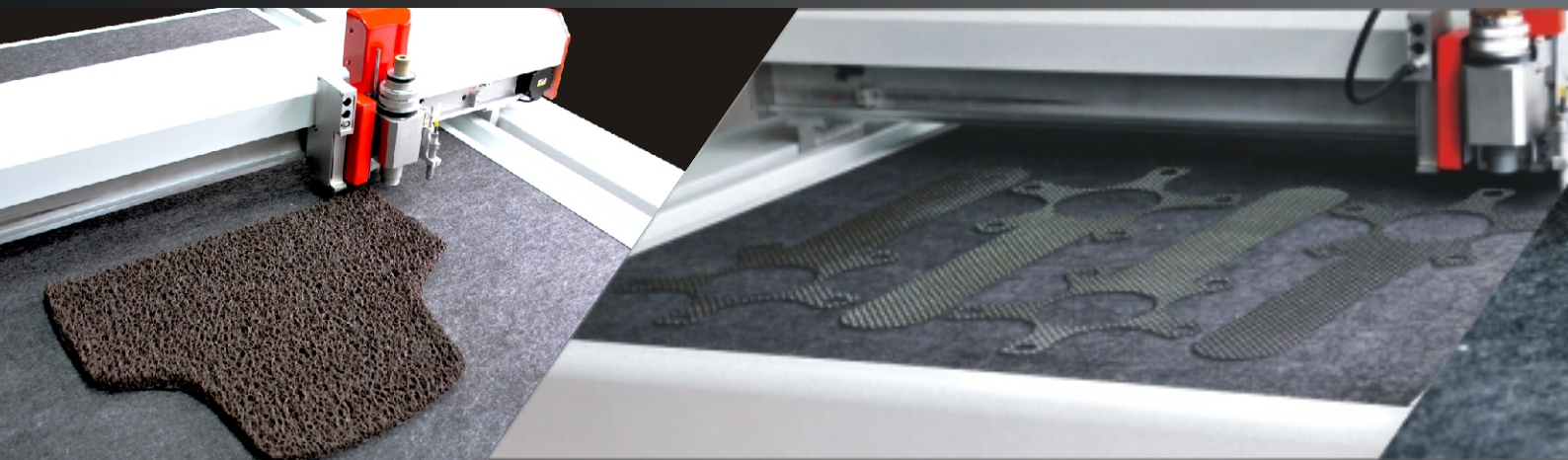
### **AUTOMOBILE UPHOLSTERY**

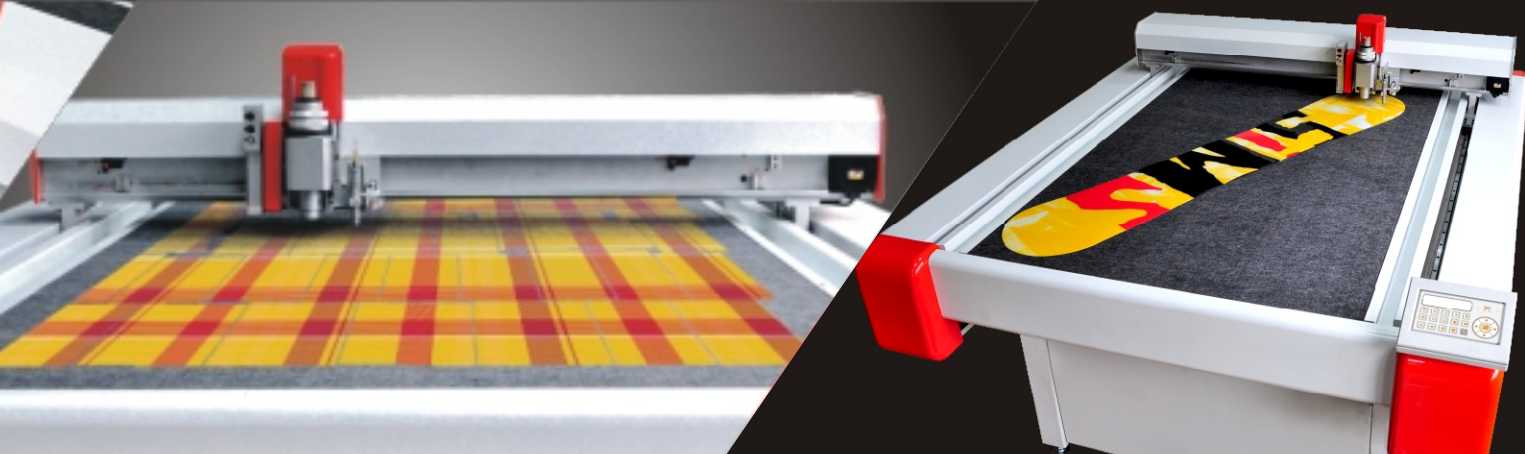
BK cutting system has been applied to cutting automobile upholstery successfully, such as automobile mat, car seat cover, sun block and car curtains.



### **COMPOSITES**

BK cutting system replaces the traditional composites manufacturing mode, such as drawing lines and cutting yarn, especially for the complicated allotypic patterns, it can advance at least 20 times efficiency, guarantee controllability of carbon fiber, glass fiber, aramid fiber, UHMW polyethylene etc, and reduce the labor cost greatly.





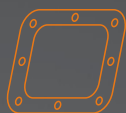
### SPORTS GOODS

BK cutting system resolves the non-metal sports goods material cutting and application effectively, such as interlayer material of snowboard PE, carbon fiber, glass fiber, provides the reliable process solution to the high quality snowboard.



### BAG&LEATHER

BK cutting system is the ideal cutting tool for bag industry, it can cut PP, PE, EVA directly without paper sample. The system can be equipped with HD projection system, which can replace the traditional manual production and die cutting, and supplies the best solution to genuine leather car seats, shoes, suitcases, handbags industries.



### GASKET

BK cutting system can cut graphite, asbestos, oil resistant fiber paper, and four fluorine materials of high-precision gaskets without die cutting.



### GARMENT& TEXTILE

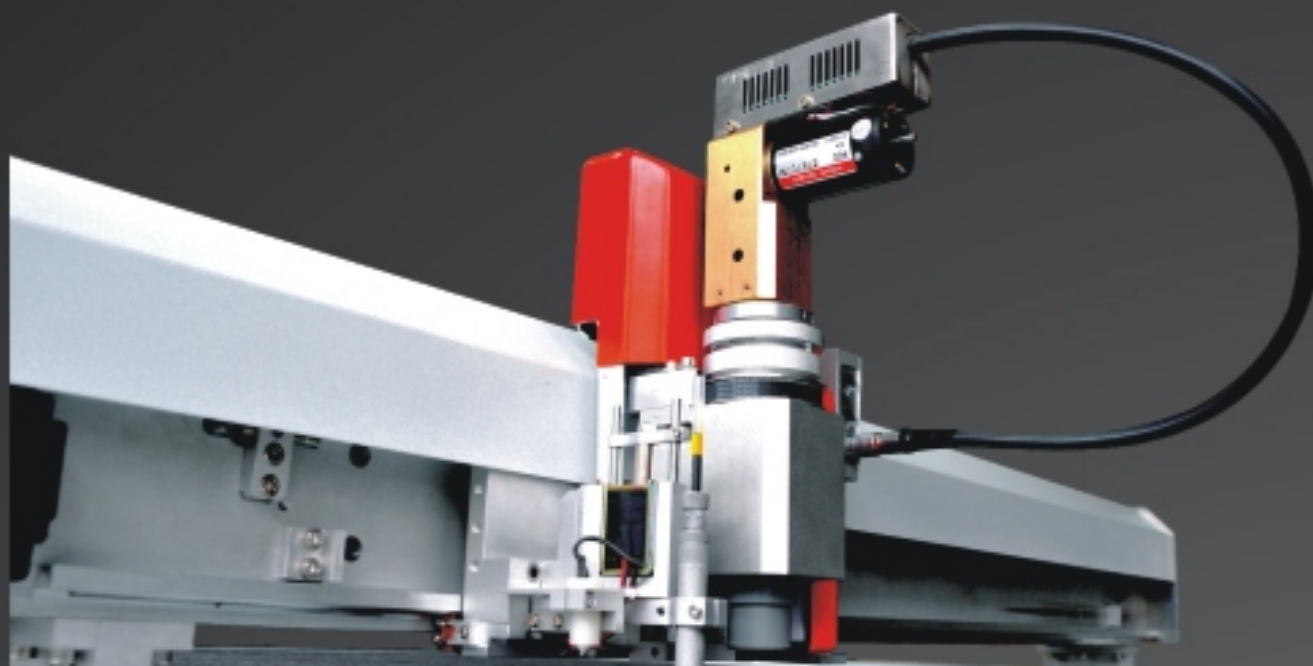
Fast solutions to garment production are applied to brand garments, apparel, university and college teaching, provides integrated solutions to style design, fabric design, pattern design, automatic marking and BK automatic cutting, it takes only 6 hours to finish the whole garment production process, the process is managed and checked by our ERP system in the real-time.





# BK HIGH SPEED DIGITAL CUTTING SYSTEM

BK cutting system supplies the best solution to make sampling and short production run in variety of industries, which is equipped with variety of knives and pens, and satisfies different kinds of materials cutting. It can realize high speed, high intelligent, high precise cutting, punching, plotting, etc. It can connect with other softwares well with powerful data converting software, and complete the transition from traditional manual sampling to advanced high speed and precision production mode, and meets the different cutting needs of customers.

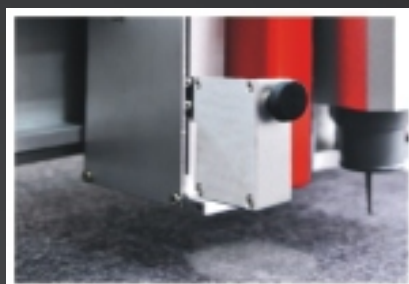


## PARAMETERS

Type	BK1208	BK1311	BK1713	BK2511	BK2516
Cutting area	1200mmx800mm	1300mmx1100mm	1700mmx1300mm	2500mmx1100mm	2500mmx1600mm
Length	800mm-3200mm				
Width	800mm-3200mm				
Speed	1800mm/s				
Precision	0.1mm				
Thickness	25mm				
Tool types	Pen、Oscillating knife、Punching tool、Tangent knife、Rotary knife、V-cut knife、Notch knife、Creasing wheel、Drilling tool				
Applicable material	Leather、Composites、Cardboard、Corrugated cardboard、Sticker、Film、Foam board、Acrylic board、Plastic box、Rebound rubber、Rubber cloth、Gasket material、Garment cloth、Shoes material、Bags materials、Non-woven fabric、Carpet、Kapa board、PVC、PP、PE、EVA、PTFE、ETFE				
Data format	DXF、HPGL				
Interface	Internet、USB				
Media	Vacuum System				
Pump power	4KW	4KW	7.5KW	7.5KW	10KW
Power	220V/50HZ 380V/50HZ				
Operating environment	Temperature:0°C-40°C Humidity:20%-80%RH				

# CAN BE EXTENDED AND CUSTOMIZED

BK cutting system can be equipped with CCD high automatic registration system according to customer's requirement, and ensures the perfect matching of cutting and printing with coreldraw and AI system.



To improve production efficiency, you can select automatic conveyor system, to save time and improve output furthest.



You can install rotary knife, tangent knife, oscillating knife, creasing wheel, drilling tool, v-cut knife, notch knife and punching knife according to customer's requirements and realize perfect cutting.



Equipped with HD projection system according to the materials, the system can avoid cutting of flaws on the leather fabric, and can do fast marking and cutting on irregular leather.



## ④ Tool heads and knives

**Tool heads:** It can combine three tool heads at optional with full set of modular design cutting head, realize one completion on various cutting technical requirements for single material.

**Knives:** Various tool heads can be equipped with multiple series of knives, such as oscillating knife, creasing wheel, drilling tool, rotary knife, tangent knife, v-cut knife, punching knife, and appropriate knives, and the knives can be configured with different diameters and angles according to the material cutting needs.



Tool heads and knives



Functions and structures

## ④ Functions and structures

**Suction device:** With intelligent area air suction device, it can improve the production efficiency and save energy consumption to the maximum.

**Motor depth control:** With servo motor tool depth control, it reduces the abrasion of cutting tool and enhances the cutting quality at the same time, realizes the international advanced two-stage knife raising and falling control mode, reduces the cutting time greatly, and improves production efficiency.

**Imported spare parts:** With imported spare parts, for example, the global leading Swiss Maxon motor, it ensures the machine run stably for long time of more than 300 hours continuously, working life is over 20 years.

**Security system:** The emergency stop button is installed at the corner of BK cutting machine, which ensures the safety of the operators.

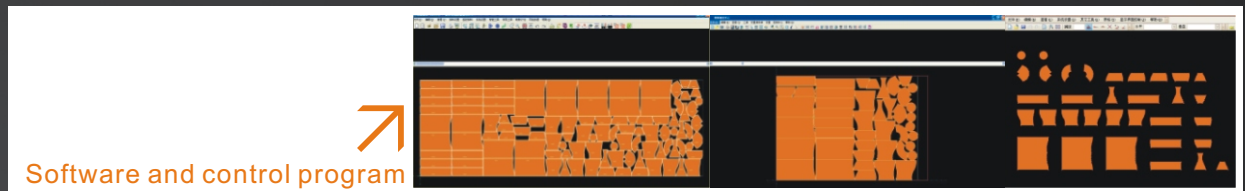
**Control panel:** With 7-inch touch screen, it can do adjustment freely on the material, such as control on cutting depth, cutting speed, and area air suction system, finish the preparation work before cutting, cutting control and adjustment effectively and quickly.



## ⌚ High speed and precision

**High speed:** With advanced platform modular structure design and self-developed control system, BK cutting system can run very fast at 1.8m/second,shortens the product development cycle effectively,and enhances the production efficiency greatly.

**Precision:** It can cut complicated allotypic designs with leading high accuracy among similiar equipments at 0.1mm.



## ⌚ Software and control program

**Software:** It has powerful functions, such as pattern design, data conversion, auto-marking and output pattern editing, Powermarker system can maximize the material utilization.

**Control program:** It has purely self-developed control program software copyright, which guarantees the device running stably for long time and updating.

