

CONTOUR PRO TK4S

Contour Pro is a big format cutting system provides best choice for multi-industries automatic processing. Its system can be precisely used for full cutting, haf cutting, engraving, creasing, grooving and marking. Meanwhile, precise cutting performance could meet your large format requirement, user friendly operating system will show you a perfect processing results.



Available in this sizes:

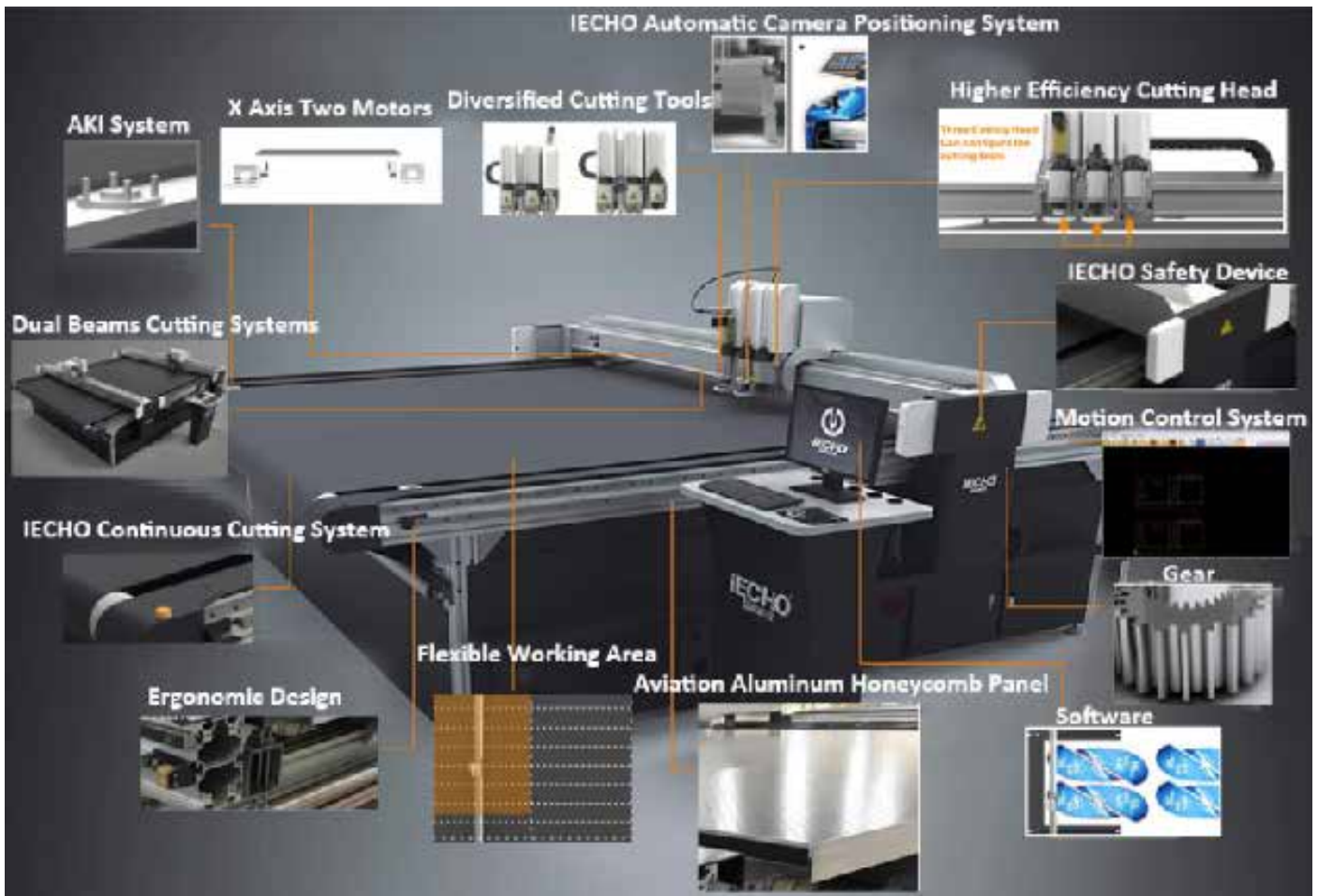
- 2500 x1550mm
- 2500 x3200mm

Pump Vacuum	1-2 unit 5,5kw	2-3 unit 5,5kw	3-4 unit 5,5kw
Beam	Single Beam	Can select single beam or dual beams	
Speed	1500mm/s		
Cutting Accuracy	± 0.1mm		
Thickness	50mm		
Data format	DXF. HPGL		
Interface	Serial port		
Media	Vacuum system		
Power	220V/50HZ 380V/50HZ		

Operating Envirment

Temperature 0°C - 40°C Humidity 20%-80% RH





X Axis Two Motors

For the extreme wide beam, use the two motors with the balance technology, make the transmission more stable and accurate.

AKI System

The depth of cutting tool can be controlled accurately by the automatic knife initialization system.

Dual beams Cutting Systems

Equipped with double beams cutting system, can highly increase your production efficiency.

IECHO Continuous Cutting System

With the intelligent conveyor system, to achieve cutting and picking up the samples at the same time. It totally saves the labor cost and improves the efficiency significantly.

Ergonomic Design

To strengthen the stability of the machine, adopts new aviation aluminum material with high intensity, corrosion resistance and strong tenacity. At the meantime the design of Contour Pro system is ergonomic friendly which allows you to have better humanized experience of operation control and processing materials.



Higher Efficiency Cutting Head

Cutting speed can reach to 1,5m/s, which is 4-6 times of traditional manual way. intelligent control system of Z-axis height decreases cutting tool's moving distance, shortens working time and thus improves the production efficiently.

IECHO Safety Device

Anti-collision protective device and infrared blocking device ensures operator's safety at most high-speed working condition.

IECHO Automatic Camera Positioning System

Equipped with high precision CCD camera, the system realizes automatic position on all kinds of materials, automatic camera registration cutting, and solves problems of inaccurate manual position, and print distortion, thus to complete production task easily and precisely.

Aviation Aluminum Honeycomb Panel

Application of aviation aluminum honey-comb panel, making the inside air of panel moves freely, ensures the stability of structure without the influence of thermal expansion and contraction effect. meanwhile, mutually constrained dense cells respectively and averagely bear the force from the panel to ensure the high-level flatness of the working table even of quite large size.

IECHO Motion Control System

Contour Pro motion control system, cutterserver is the center of cutting and controlling, enables smooth cutting circles and perfect cutting curves.

Software

Processing of larger sizes of materials can be realized by page cutting function.

Diversified Cutting Tools

In order to meet different industrial cutting requirements, the cutting head can be flexibly chosen from the standard head, punching/notching head, and the milling head.

IECHO EOT: Electronic oscillating knife for cutting soft and medium density materials, available with 1mm stroke.

IECHO UCT: Universal cutting tool, used for through cutting materials with thickness up to 5mm at high speed at low cost.

IECHO KCT: kiss cut tool, for cutting vinyl, foil, films, thin paper, cardboard and other thin materials.

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 includes kiss cutting. Efficient dust extraction helps maintain a clean healthy work environment.

IECHO DRT: Driven Rotary Tool for cutting textiles.



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 for different cutting requests. The 5 different angles are 0°, 15°, 30°, 45° respectively.







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

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










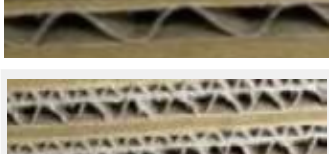

APPLICATIONS:

Sign & advertising/packaging: large format cutting system provides a total cutting solution to the advertising industry, specially in terms of PP paper, KT board, Foam board, stickers, corrugated board, honeycomb and other materials processing. It can be equipped with high-speed milling spindle for acrylic, aluminum plastic plate and other hard materials processing, with the automatic rolls/sheets feeder, it could full-time automatic production.











Automobile upholstery: Contour Pro provides a total solution for a wide variety of materials used in the automotive industry including textiles, PVC and many other interior components.

MATERIAL	THICKNESS MATERIAL	TOOL	BLADE	CUTTING SPEED	MATERIAL PICTURE
PP vinyl	0.1mm-0.6mm	UCT, Kiss-cut	E17, E1, E2	0.6-1.0	
Self adhesive	0.1mm-0.6mm	UCT, Kiss-cut	E17, E1, E2	0.6-1.0	
Flex banner	0.5mm	PRT	E51, E52	0.8-1.2	
Flag textile	0.5mm	PRT	E51, E52	0.8-1.2	
Reflective Film	0.5mm	UCT, Kiss cut	E17, E2	0.5-0.8	
KT board	5mm-10mm	EOT	E21	0.2-0.4	
		V-CUT	E74, E73	0.4-0.7	



PVC Foam/Forex	1mm-5mm	6mm-20mm	E13, E17	0.2-0.3	
	6mm-20mm	CNC Router	ER1, ER2	0.2-0.4	
Cardboard	0.3mm-2mm	UCT	E17, E16	0.6-1.0	
		Creasing Tool	Blade Holder 3	0.6-1.0	
MDF (Medium Density Fiberboard)	3mm-30mm	CNC Router	ER1, ER2	0.2-0.3	
			E64.1, E64.2	0.2-0.3	
ABS board	1mm-3mm	UCT	E13	0.6-0.8	
	4mm-12mm	CNC Router	ER1, ER2	0.2-0.35	
Acrylic	1mm-30mm	CNC Router	ER1, ER2, E64.1, E64.2, E65.1, E66.1, E66.2	0.1-0.3	
Aluminium composite (Di-bond, ACM, ACP)	3-6mm	CNC Router	ER1, ER2	0.1-0.25	
Corrugated paper (E3 layer)	1.2mm-1.5mm	UCT, EOT	E17	0.6-1.0	
		Creasing Tool	Blade Holder 3	0.6-1.0	
Corrugated paper (B3 layer)	2.5mm-3mm	EOT	E17	0.2-0.4	
		Creasing Tool	Blade Holder 3	0.6-0.8	
Corrugated paper (A3 layer)	3.5mm-4mm	EOT	E17, E21	0.2-0.4	
		Creasing Tool	Blade Holder 3	0.6-0.8	
Corrugated paper (BE 5 layer)	4mm-5mm	EOT	E17, E21	0.2-0.4	
		Creasing Tool	Blade Holder 2	0.6-0.8	
Corrugated paper (AB 5 layer)	6mm-7mm	EOT	E21, E22	0.2-0.4	
		Creasing Tool	Blade Holder 1	0.6-0.8	


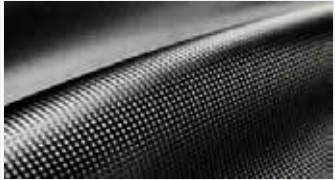






MATERIAL	THICKNESS MATERIAL	TOOL	BLADE	CUTTING SPEED	MATERIAL PICTURE
Corrugated paper (ABB 7 layer)	9mm-10mm	EOT	E21, E18L	0.2-0.4	
		Creasing	Blade Holder 1	0.6-0.8	
		V-CUT	E74	0.6-0.8	
Honeycomb board	10mm	EOT	E18L, E644	0.2-0.3	
MDF (Medium Density Fiberboard)	3mm-30mm	CNC Router	ER1, ER2, E63.1, E63.2, E64.1, E64.2, E65.1, E66.1, E66.2	0.2-0.3	
Vertical corrugated paper	2mm-4mm	EOT	E28, E18L	0.1-0.3	
		Creasing tool	Blade Holder 1	0.4-0.6	
	5mm-10mm	EOT	E28, E18L	0.1-0.3	
		Creasing tool	Blade Holder 1	0.3-0.6	
Grey board	1mm-3mm	UCT, EOT, POT	E13, E17, E22, E46	0.1-0.8	
		V-CUT	E75	0.2-0.4	
Genuin Leather	0.8mm-1.5mm	EOT	E17, E13	0.3-0.4	
PU leather	1mm-2mm	PRT	E51, E52	0.5-0.8	
Coli car mat	10mm-20mm	EOT, POT	E51, E52	0.3-0.4	
PU sponge	8mm-12mm	EOT	E26, E42	0.2-0.4	
		PRT	E51, E52	0.6-0.8	
Micro fiber	1.2mm-1.5mm	PRT	E42, E26	0.2-0.4	



Furniture & textile: Provides and integrated cutting solution to the home textile industry, not only significantly improved the textile utilization and processing efficiency, but also can effectively improve product's quality. To achieve high efficiency of products, low supplies cost, and quality optimization.






Composites: it can replace hand-painting, hand-cutting and other traditional crafts in the composite material products processing, specially for irregular patterns and other complex samples, effectively improved the production efficiency and cutting accuracy.

MATERIAL	THICKNESS MATERIAL	TOOLS	BLADE	CUTTING SPEED	MATERIALS PICTURE
Carbon fiber	0.5mm-1mm	UCT	E17, E13	0.5-0.6	
Carbon fiber cloth (Woven)	1mm-3mm	PRT	E51, E52	0.5-0.8	
Glass fiber	2mm-15mm	SPRT, POT	E51, E52	0.2-0.8	
KEVLAR	2mm-4mm	SPRT	E51, E52	0.3-0.5	
PTFE membrane	1mm-3mm	PRT	E51, E52	0.5-0.8	
Carbon fiber curing plate	1mm-3mm	CNC Router	ER1, ER2, E63.1, E63.2	0.1-0.15	


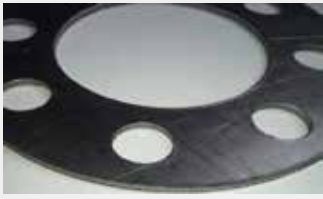



Garment & Textile: Equipped with Driven Rotary Tool (DRT), notch&Punching tool (PPT) and automatic correction system, its large format cutting system provides an integrated cutting solution to brand garments, advanced custom made garments industry.

Otros industries: Its system is widely applied to global non-metallic industries, such as footwear, luggage, membrane, sporting goods, toys, wind power, medical supplies, etc. In order to provide professional and stable integrated cutting solution for non-metal industrial customers.

MATERIAL	THICKNESS MATERIAL	TOOL	BLADE	CUTTING SPEED	MATERIAL PICTURE
Knitted fabric	0.5mm-1mm	UCT	E17, E13	0.5-0.6	
Woven fabric	1mm-3mm	PRT	E51, E52	0.5-0.8	
Non-woven fabric	2mm-15mm	SPRT, POT	E51, E52	0.2-0.8	
Nature Fur Fabric	2mm-4mm	SPRT	E51, E52	0.3-0.5	
Industrial fabrics	1mm-3mm	PRT	E51, E52	0.5-0.8	



MATERIAL	THICKNESS MATERIAL	TOOL	BLADE	CUTTING SPEED	MATERIAL PICTURE
Asbestos gasket	1mm-3mm	UCT, POT	E17, E13	0.3-0.6	
Graphite gasket	2mm-4mm	POT	E17	0.2-0.3	
Rubber gasket	3mm-6mm	POT	E17, E27	0.2-0.3	
Metal gasket	1mm-3mm	POT	E16M	0.1	