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# i-TS

The i-TS high speed digital cutting system is suited to sample making and mass production runs.

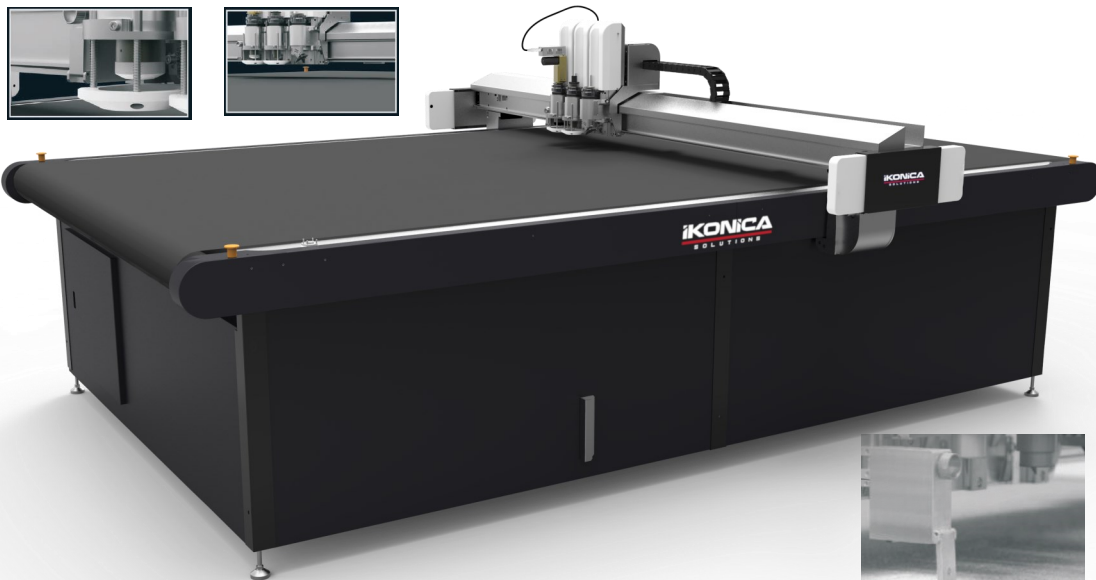
This is an extremely modular and versatile cutting system. More than 8 individual exchangeable tools in addition to a marking pen tool enable this cutting system to deal with everything from rubber and plastics to carbon fibre and textiles, making the i-TS the natural choice for various industries.

The **Automatic Production Workflow** can be used in full production mode, fulfilling the requirement

for high efficiency using the maximum capacity of the machine to realise 24 / 7 production.

Our **Stacker & Collecting System**, allows material feeding and collection to be done quickly and efficiently.

Camera registration system (CCD) further improves cutting accuracy.



- ◆ Materials to be processed will be sent to the loading area by sheet feeder
- ◆ Materials are fed to the cutting area with an automatic conveyor system
- ◆ Finished samples are sent to the collecting table by the conveyor system
- ◆ Aviation Aluminium table equipped with regional air suction
- ◆ Continuous Cutting System
- ◆ Fully automated production minimizes manual intervention

## Markets

Technical textiles, Packaging, Flat gaskets, Signs, Graphics, Carpets, Coverings, Tents, Sails, Apparel, Furniture, etc.

## Materials

Composite Materials, Rubber, Plastic, Laminates, Carton, Cardboard, Paper, Carbon Fibre, Goretex, Graphite, Felt, Textiles, etc.

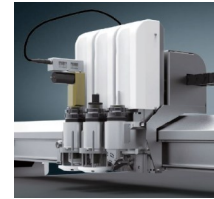


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## Triple Tool Head Option

Maximum cutting speed is 1.5 m/s (4–6 times faster than manual cutting).



### EOT



Electronic Oscillating Knife for cutting soft and medium density material. Available with 1mm stroke

### UCT



Universal Cutting Tool, used for through-cutting materials up to 5mm in thickness. High speed, low cost

### KCT



Kiss Cutting Tool is used for cutting vinyl, foil, films, thin paper, cardboard and other thin materials

### DRT



Driven Rotary Tool for cutting textiles

### V-CUT



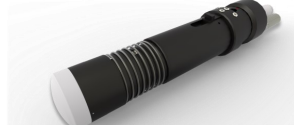
This tool is perfect for producing complex structural designs from foam core or sandwich board. The tool can be set to 5 different cutting angles 0°, 15°, 22.5°, 30° and 45° respectively

### RZ



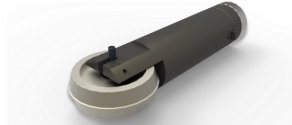
The router with high rotary speed (up to 50,000 rpm) delivers solid performance in a range of applications on hard and soft form materials alike. It can be used for precise engraving. The special dust extraction can reduce the waste efficiently during work

### POT



The Pneumatic Oscillating Tool is an air-driven tool with high oscillating frequency. The stroke up to 8mm is suitable for cutting hard, high density materials. It can cut materials up to 50mm in thickness with a special blade

### CTT



The Creasing Tool is used to do the creasing on the corrugated materials, different creasing tools for different materials can make perfect creasing

## Technical Specifications

Type	i-TS 1713	i-TS 2513	i-TS 2517
Cutting Area	1700mm x 1300mm	2500mm x 1300mm	2500mm x 1700mm
Machine Dimension	2500mm x 2100mm	3200mm x 2100mm	3200mm x 2400mm
Max. Cutting Speed	1500mm/s		
Cutting Accuracy	0.1mm		
Max. Cutting Thickness	50mm		
Data Format	DXF, HPGL, PDF		
Interface	Serial Port		
Media	Vacuum System		
Pump Power	5.5 kW / 7.5 kW / 9 kW		
Power	220V/50Hz 380V/50Hz		
Operating Environment	Temperature 0°C - 40°C Humidity 20% - 80%RH		

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