The i-TM high speed large format static cutting system was developed to cut single-ply and few-ply materials independently. The system is easy to operate and was designed to cut soft materials.

The i-TM adopts advanced control systems which provide a high cutting speed combined with high precision and high stability.

As a result of the high accuracy and fast cutting speed, and with no need for cutting cardboard samples the i-TM reduces manual operations and increases productivity.

Features of the i-TM high speed large format static cutting system include:

♦ Large effective cutting area (up to 5m x 50m)
♦ Cutting
♦ Punching
♦ Notching
♦ Marking
♦ Arbitrary origin setting
♦ Fault detection and diagnostics
♦ Strong sub desktop absorption with strong vacuum adsorption
♦ Cutting area preview

♦ Different knife configurations allow the i-TM to fulfil various functions such as cutting, punching, notching & marking
♦ The point of origin can be set arbitrarily to simplify processing
♦ The i-TM has fault detection & diagnosis functions
♦ Pneumatic cutting allows for high speed & high precision processing
♦ Sub-desktop absorption & strong adsorption for processing stability & accuracy
♦ Cutting area preview with the red light

Markets	Materials
Technical textiles, Carpets, Coverings, Tents, Sailing industries, Apparel, Furniture, etc.	Fabric, PVC, Carbon fibre, Glass fibre, Canvas, Nylon, Aramids, Composite material, Felt, etc.

Design
- Use CAD to make 2D or 3D patterns with various tools
- Import & export the most popular CAD formats
- Data conversion program for import & export of marker sheet data
- Edit and re-edit patterns as need be

Marking
- Define cutting width of marker, pattern specifications & quantity
- Set gap, margin space & binding of patterns
- Set colour difference & nap

- Create specification sheets and nesting
- After setting one button click auto marking
- Automatic marking & nesting reduces waste

Cutting
- Import marker sheet & output directly
- Modify control system parameters according to material type and thickness
- Simple control panel can debug, preview & complete the manual or automatic cutting
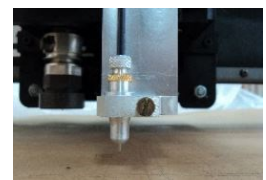

Rotary Knife
(18mm, 28mm, 45mm, etc.)

Notch Knife
Tangent Knife

Punch Tool
(5mm, 8mm, 12mm, etc.)

Pen Holder

- The i-TM system can use international CAD file format standards
- Adheres to international standards to quality assurance ISO9001, CE (European Security Certificate)
- Holds a numerous patents for head, control system, machine appearance , etc.

Technical Specifications

Width	1.1m - 5m
Length	1.6m - 50m
Speed	1.8m/s
Tool Types	5
Precision	0.2mm
Thickness	8mm
Data Format	DXF, HPGL
Interface	Internet, USB
Driver	Servo Motor
Medium Adsorption	Vacuum
Voltage	220V/380V, 50Hz, 15kW
Environment	Temperature 0°C - 50°C Humidity 20% - 80%RH