



Passion | Precision | Perfection

i-ML

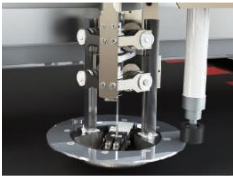
The i-ML multi-layer cutting system is the best solution for mass production. Equipped with a high efficiency cutting head incorporating a vertical knife, the i-ML can cut soft material at high speed with high precision and intelligence.

The Server Cloud Control Centre has a powerful data conversion module which ensures that the i-ML works with the mainstream CAD software on the market.

The i-ML multi-ply cutting system also provides strong support for customers who want to move from traditional production mode to automatic production mode.

Features available include:

- ◆ Knife cooling system
- ◆ Knife intelligent correcting system
- ◆ Knife sharpen compensation
- ◆ Cutter server cutting control system
- ◆ Automatic film mulching device
- ◆ Pump frequency control system
- ◆ Intelligent fault detection system
- ◆ Motion control system
- ◆ Super automatic nesting system
- ◆ Tool cooling system
- ◆ Modular customisation solution



Advantages of Digital Cutting over Traditional production:

- ◆ Improved production environment
- ◆ More accurate production management
- ◆ Better material utilisation
- ◆ Increased production efficiency
- ◆ Superior production quality
- ◆ Enhanced corporate image

Markets

Fashion, Apparel, Home Textiles, Upholstery, Automotive, Aeronautic, Luggage, Outdoor industries, etc.

Materials

PVC, Medical rays protection fibres, Laminated fabrics, Foam, Wadding, Rubber, Wall and Pipe insulation, Polyurethane fibre, Nylon, Kevlar, etc.



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- ◆ Knife cooling system reduces tool heat to avoid material adhesion
- ◆ Knife intelligent correction system adjusts cutting mode according to material differences
- ◆ Knife sharpen compensation automatically compensates for blade wear ensuring cutting precision
- ◆ Cutter server cutting control system provides perfectly smooth cutting
- ◆ Automatic film mulching device prevents air leakage, saving energy
- ◆ Pump frequency control system automatically adjusts the suction, saving energy
- ◆ Intelligent fault detection system automatically inspects the operation of the cutting machines and uploads data to the cloud storage for issue resolution



Technical Specifications

Max. Thickness	75mm (with vacuum Adsorption)	
Max. Speed	200mm/s	
Max. Acceleration	0.3G	
Work Width	1.6m / 2.0m / 2.2m (Customizable)	
Work Length	1.8m / 2.5m (Customizable)	
Interface	Serial Port	
Cutting Power	220V, 50Hz, 4kW	Single Phase 220V, 50Hz, 4kW
Pump Power	380V, 50Hz, 20kW	Three Phase 380V, 50Hz, 20kW
Average Power Consumption	< 15kW	
Operating Environment	Temperature 0°C - 40°C Humidity 20% - 80%RH	

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