



Passion | Precision | Perfection

i-LC

The i-LC Leather Cutting System adopts a production line approach to increase productivity by 20% when compared to traditional leather cutting equipment.

The i-LC uses the most advanced high-definition, full-colour leather contour acquisition system, with a high-precision scanning camera to extract information such as leather irregularities, contours, shape, area, defects as well as other essential information.

The automatic nesting system maximizes leather utilisation, our unique three-stage work flow can greatly reduce labour intensive tasks to increase productivity and boost performance.

Features of the i-LC include:

- ◆ Advanced High-Definition Full Colour Leather Contour Acquisition System
- ◆ Automatic Irregular Nesting System
- ◆ Powerful Order Management System
- ◆ Production Line Work-Flow
- ◆ Automatic Operation



- ◆ High speed, high precision scanning system can scan 55ft of leather in 45s, including contours, circumference, area & defects
- ◆ Automatic image processing will amend and integrate the scanned results and create the nesting task
- ◆ The order management system allows for work-flow customisation, during production orders can be modified, deleted or added
- ◆ Operators can freely edit every link of the chain to maximise production
- ◆ Three-stage work-flow can maximise production efficiency including leather checking, contour extraction, irregular nesting cutting & collecting
- ◆ Following order assignment, operators feed the leather to the work-flow and use the control panel to complete the order

Markets

Automotive, Upholstery & Aeronautic

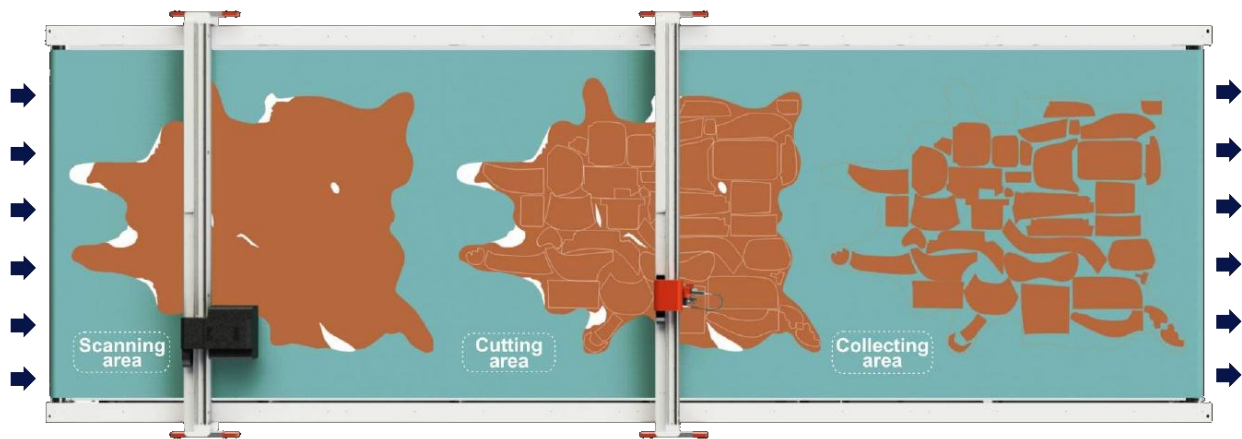
Materials

Leather, Textile & Technical textile

- ◆ Automatic scanning system records information about the hide including contours, circumference, area, shape and defects for efficient nesting
- ◆ The high precision scanning system can minimise the effects of ambient light sources, and even carry out leather scanning under weak or strong light conditions



Production Work-Flow



	Loading	Nesting	Cutting	Collecting
i-LC Leather cutting production line	<i>On the i-LC the operator only needs to lay the edge of the leather on the table, as the conveyor belt moves forwards it lays the leather evenly and smoothly on the surface of the table. To lay a piece of leather of 55 feet one only needs one machine operator and an assistant. For pieces of 10 feet and below one only needs the operator</i>	<i>Automatic scanning and automatic nesting in one process without manual intervention</i>	<i>Cutting and scanning can be done at the same time, the leather is fed to the cutting area after nesting</i>	<i>The collecting table is the last part of the work flow. The i-LC can scan and cut different leathers independently</i>

Technical Specifications

Type	i-LC 9016	i-LC 9021	i-LC 9027	i-LC 9629
Cutting Area	3000mm x 1600mm	3000mm x 2100mm	3000mm x 2700mm	3200mm x 2900mm
Machine Dimension	10430mm x 2150mm	10430mm x 2650mm	10430mm x 3250mm	11430mm x 3450mm
Max. Cutting Speed	1500mm/s			
Cutting Accuracy	0.1mm			
Max. Cutting Thickness	50mm			
Data Format	DXF, PLT			
Interface	Serial Port			
Media	Vacuum System			
Pump Power	7.5 kW			
Power	220V/50Hz 380V/50Hz			
Operating Environment	Temperature 0°C - 40°C Humidity 20% - 80%RH			