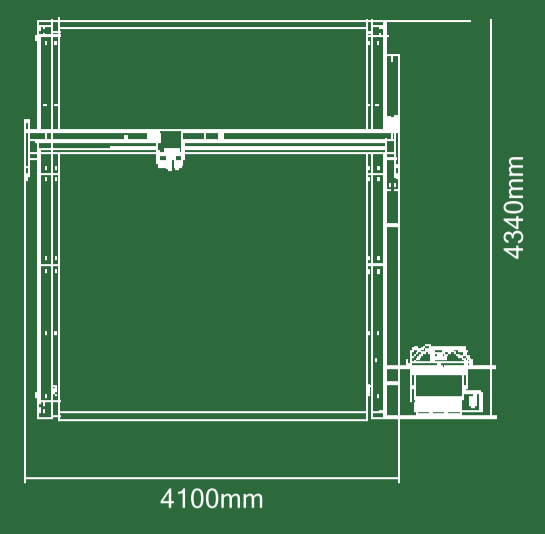


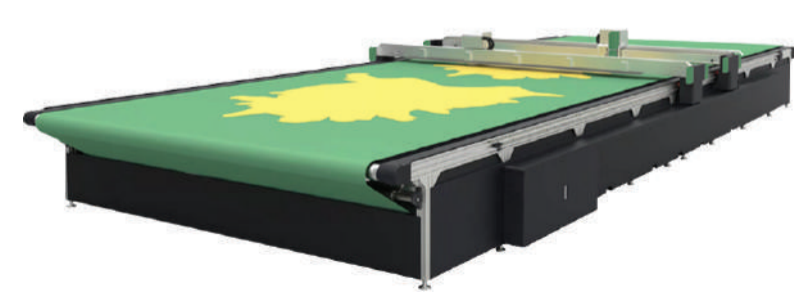
LCP(SI) PARAMETERS

Cutting machin size	4340mm x 4100mm
Cutting Types	Genuine leather / roll leather
Cutting Dimension	25 - 70 squgre feet
Cutting efficiency	8 min / pirce
Staffing	2
Cutting tool	1 set
Machine power	15 kw



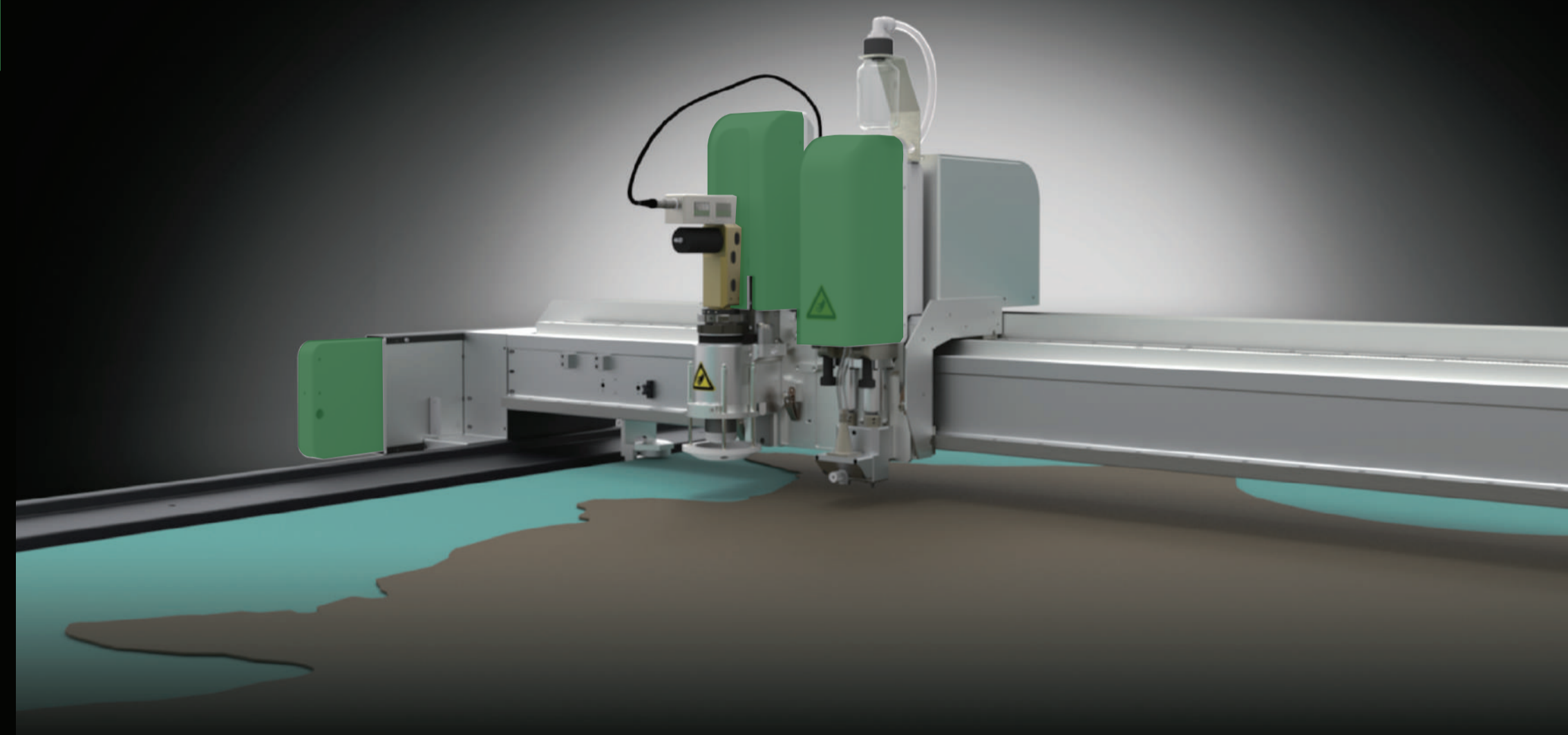
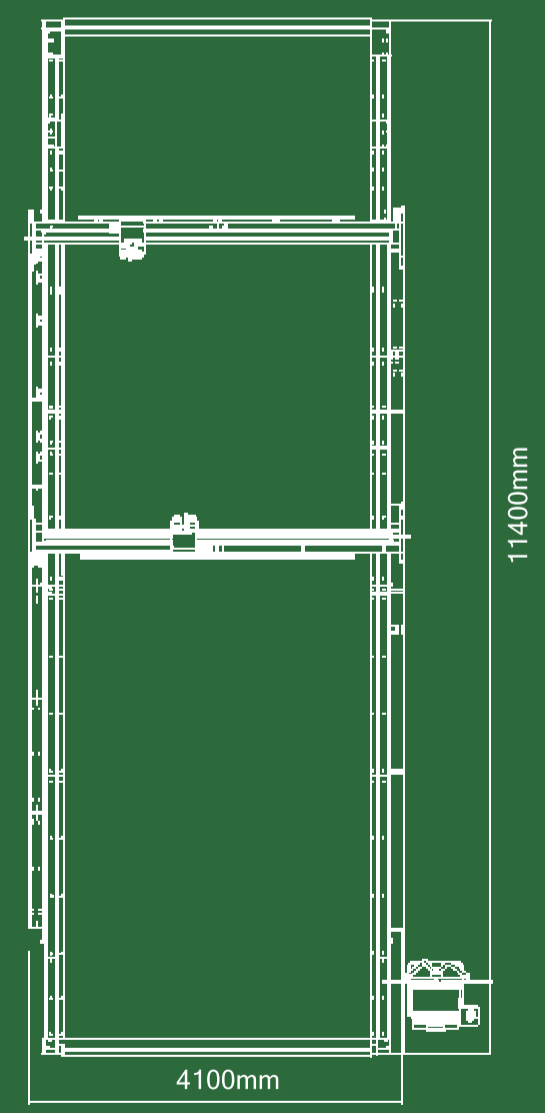
SMART CUT

LCPS Leather Cutting Production Line



LCP(S3) PARAMETERS

Cutting machin size	11400mm x 4100mm
Cutting Types	Genuine leather
Cutting Dimension	25 - 70 squgre feet
Cutting efficiency	3 min / pirce
Staffing	3
Cutting tool	2 set
Machine power	30 kw



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SYSTEM FEATURES

01 THE ADVANCED HIGH-DEFINATION FULL COLOR LEATHER CONTOUR ACQUISITION SYSTEM

With high precision and high speed scanning system, it only takes 45s to extract the information of a piece 55 feet leather, including leather contour, circumference, area and defects. Automatic image processing system will amend and integrate the scanning result, to maintain the original condition, then create the nesting tasks automatically. With stable moving light box, SMART high precision system can minimize the effect of outside light source. It can even extract leather scanning data under quite weak or strong light condition.

02 POWERFUL ORDER MANAGEMENT

The whole set of order management system covers all the production lines. It can customize the best work-flow for enterprises according to their production modes. During the production, orders can be flexibly be modified, deleted and added. More than 5 groups of real-time monitoring module are used for the whole production line. Operators can freely edit every link in the chain, to maximize the production efficiency.

03 PRODUCTION LINE WORK-FLOW

Compared with the traditional production model, this unique three stage production work-flow can maximize the production efficiency, including leather checking contour extract, irregular nesting, cutting and pattern collecting.

04 AUTOMATIC OPERATION

After assigning the production orders, works only need to feed the leather to the work-flow, then operate it through Control Center software till job finish. With such a system, it can minimize the labor intensity and reduce dependence on the professional staff.

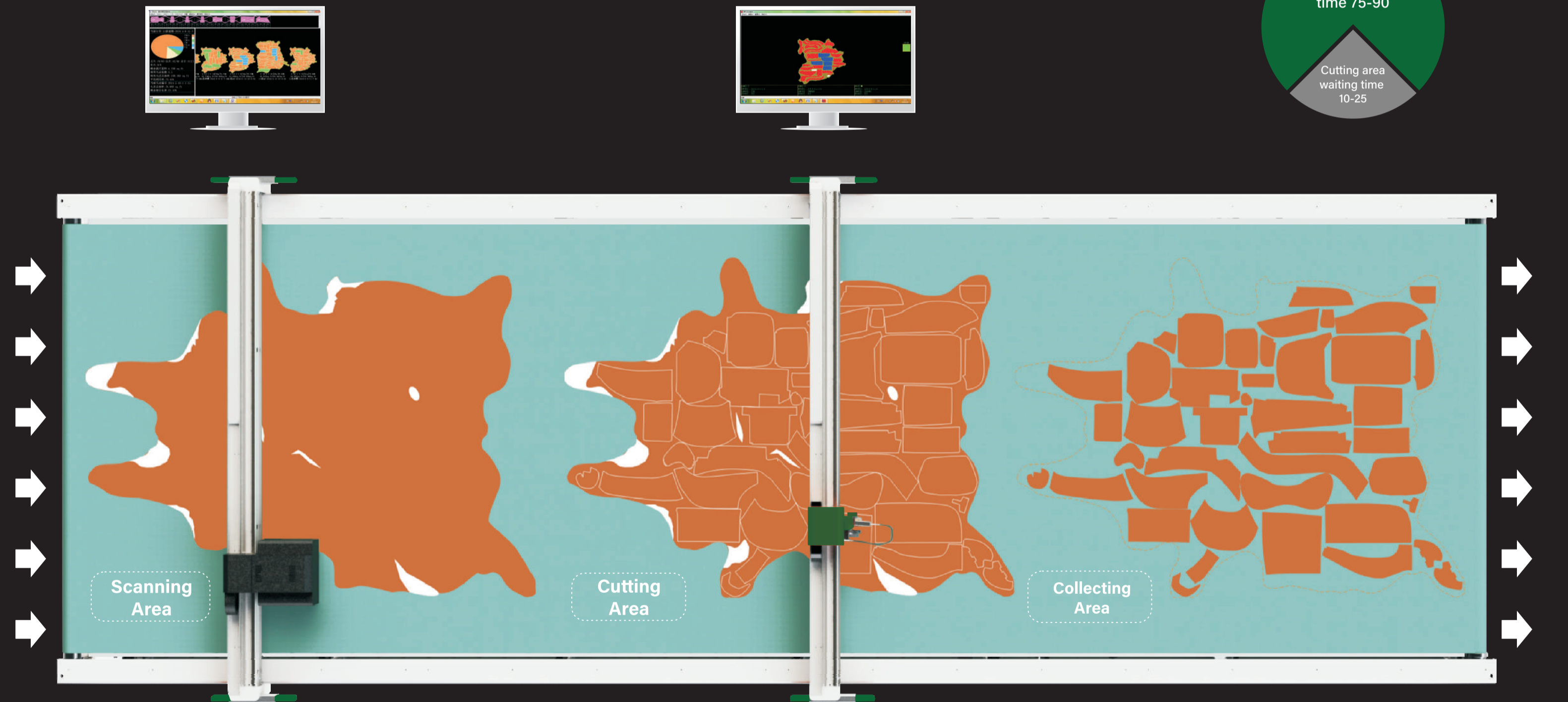
Time Axis	0m	5m	10m	15m	20m	25m	30m	33m
Time Qty	5minutes	5minutes	5minutes	5minutes	5minutes	5minutes	5minutes	3minutes
First leather	loading,scanning, nesting	cutting	collecting					
Second		loading,scanning, nesting	cutting	collecting				
Third			loading,scanning, nesting	cutting	collecting			
Fourth				loading,scanning, nesting	cutting	collecting		
Fifth					loading,scanning, nesting	cutting	collecting	

Maximize cutting time In unit time, LCPS cutting line can be processed without gaps, which can improve the effectiveness to 75-90% Note : The actual cutting time varies with data and industries.

LCPS Leather cutting production line efficiency analysis

	Traditional leather cutting machine with static table	LCPS leather cutting production line
Loading	When spreading materials on tradition machine, big friction between felt and leather, makes it hard to spread leather well on the table.	While on LCPS leather cutter, worker only need put a small part of the leather at the beginning of the table, the conveyor felt will load and feed forward the leather to scanning area automatically. It needs 2 staff for leather of 55 feet or bigger size, one for machine operation, the other as assistant. It needs only one staff for 10 feet leather or smaller.
Nesting	1. Manual nesting: Use projector to project cutting patterns on leather, do nesting by hand. It takes a long time 2. Auto nesting: Scanning with camera fixed over the table. Precision is poor and it is strict for light source.	Automatic scanning and auto nesting, without manual operation.
Cutting	One cutting machine can only do singly operation. It can not cut during nesting or scanning, which greatly reduced efficiency.	Cutting and scanning can be processed at the same time. Leather will be feed to cutting area after nesting.
Collecting	The work platform is taken up by pattern collecting, next leather can only be processed when last job finished.	Collect table is the last part of work flow, it can do cutting and scanning for different leathers independently.

Traditional leather cutting machine with static table can only do different processes one by one, while LCPS can do scanning&nesting, cutting and collecting at the same time, which greatly improved cutting efficiency.



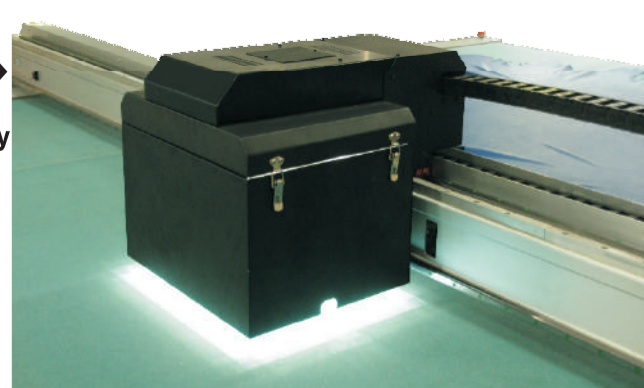
Check leather manually



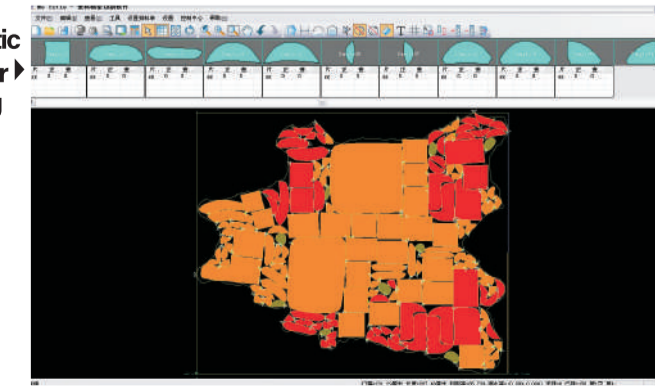
Mark defect spots



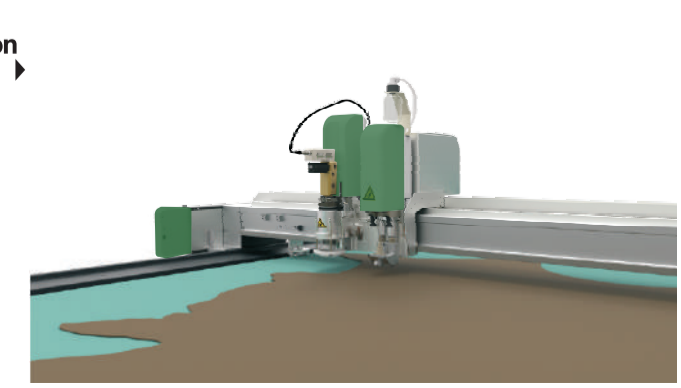
Scan the leather outlines automatically



Automatic irregular nesting



High precision and speed cutting



LEATHER CUTTING PRODUCTION