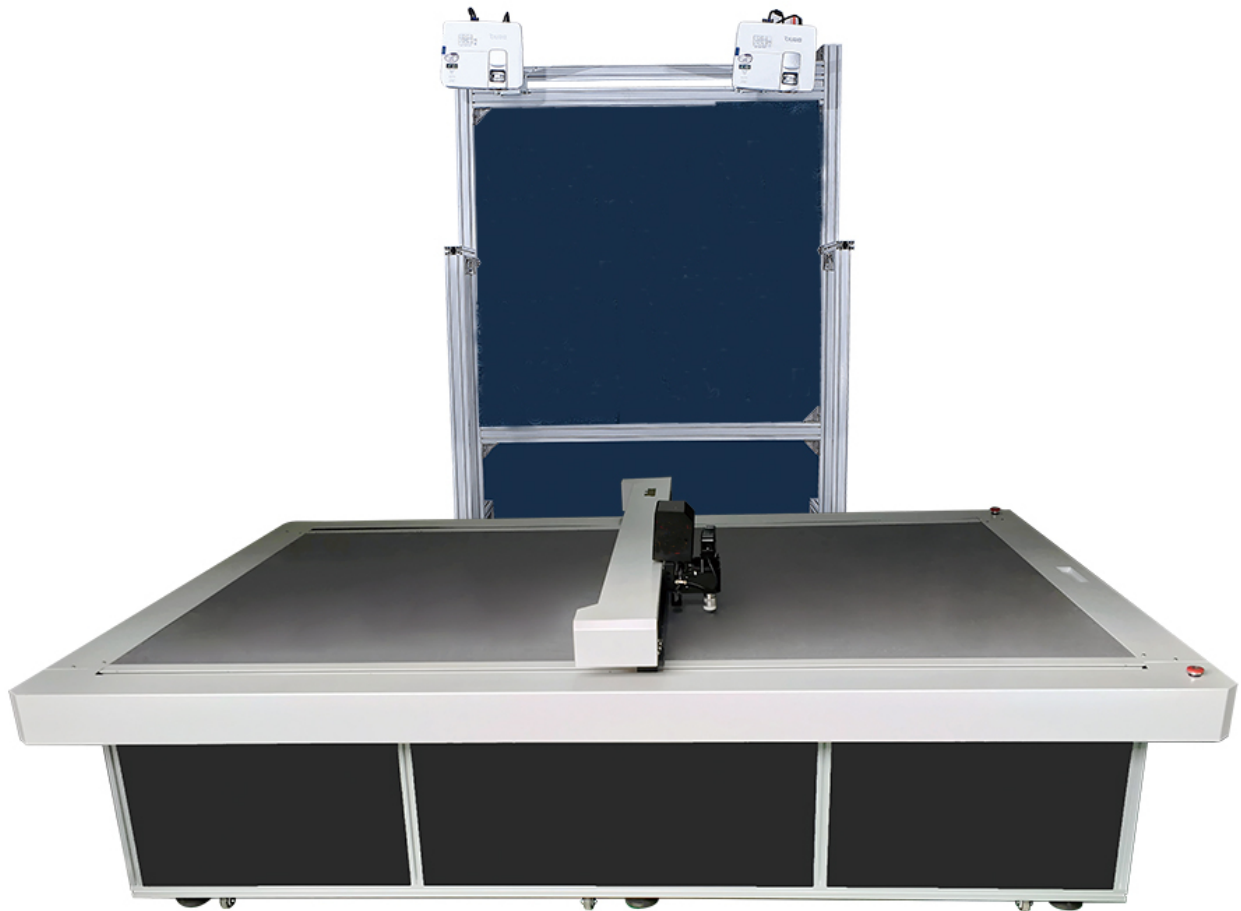


Alpha
↓
systems

Digital Leather Cutters



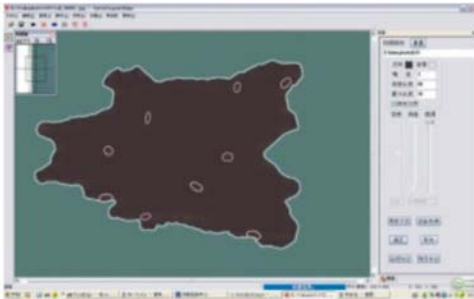
www.CADmachinery.com



Inspect leather



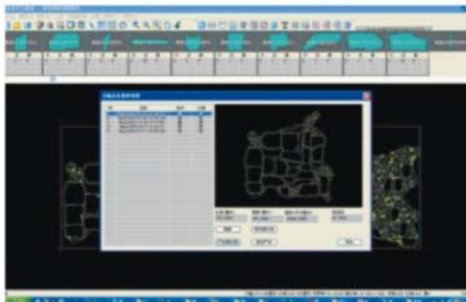
Mark defects on leather



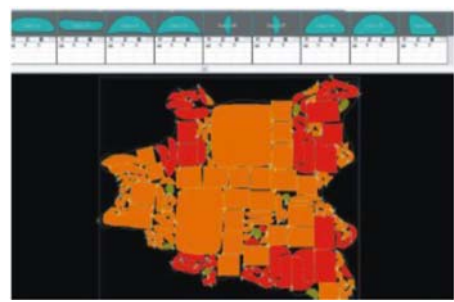
Scanned leather outline



Digitize leather using projector



Import cut files



Auto nesting



Cut pieces ready to pickup



Output to machine

MULTI - TOOL

Multi function head to work simultaneously cutting, punching & marking. The machine comes with oscillating tool as standard. The vibrating frequency is upto 350Hz and low noise. Based on customer needs, hole punching tools can be added to punch holes of diameter 0.8mm, 1mm, 1.2mm, 1.5mm, 2mm, 2.5mm, 3mm, 3.5mm, 4mm, 4.5mm & 5mm. Circular knife also can be added to the tool module.

PROJECTOR- TO DIGITIZE LEATHER

A separate table with projector is used to digitize the leather outline and damages. The scanned outline is passed to cutting software

PROJECTOR—TO CUT

The cutting software automatically nests the selected patterns onto the leather outline and projects it to the cutting bed for cutting. A high resolution short focus projector is used to have 1:1 output to make the work flow easier. Independent suspension mount to provide stable projection.

AUTO VACUUM ZONE

Users can select vacuum zone based on material size from the software. This enables to get maximum vacuum capacity under the leather to hold it down efficiently when cutting. In other words, vacuum follows the cutting head.

LIGHT BARRIER

Pauses the machine if there is any interference to protect the operator as well as the machine.

OPTIONS

- ◆ Camera finds the registration points and cuts any pre-printed material accurately.
- ◆ Punching tool to punch holes at high speed on leather and textile materials



Oscillating Tool with 2 hole punching tools



Cutting sample on leather & PU

Specifications			
Model	L1410	L1813	L2516
Work area W X L (mm)	1000 x 1400	1300 x 1800	1600 x 2500
Max. speed	1000 mm/s		
Precision	0.1mm		
Max. thickness	6mm		
Tool types	Electric Oscillating tool, Punching tool		
Data format	HPGL (PLT)		
Interface	LAN network		
Material holding mechanism	12 zones: vacuum zone moves automatically with the cutting head location to provide efficient suction where it is needed the most.		
Vacuum pump capacity	5.5kW		
Power Supply	220V/Hz for machine 380V/50Hz for vacuum pump		
Operating environment	Temperature: 0°C - 40°C, Relative Humidity: 20 to 80%		

Your Local Contact:

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