

Focus on leather cutting

# LEATHER SOFA FULLY AUTOMATIC CUTTING SOLUTIONS

Intelligent/Eco-Friendly/Efficient/Stable



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To be the world's leading brand  
of intelligent cutter



# ABOUT AOLCNC

Jinan Aol CNC Equipment Co., Ltd. is committed to making the best cutting equipment in China. Leading the innovation and upgrading of intelligent cutting equipment, providing automated cutting equipment for global users.

Since its establishment in 2010, AolCNC has always adhered to the business philosophy of "technology-based enterprise, quality first".

With customers at the center, we take every detail of R&D and production seriously to ensure the performance and quality of each equipment, and operate stably in more than 100 countries and regions around the world.

Aol has many national patents and has obtained national ISO, EU CE, and US FDA certification. Won the honors of national high-tech enterprise, specialization, small giant, and gazelle enterprise.

Customized cutting solutions for 2,300 materials, please visit the factory for details.

# Leather Sofa Fully Automatic Cutting Machine

Focus on solving non-metallic material cutting problems



## Integrated welding bed

6mm steel, using high-strength welding technology, safe and reliable

## 59 processes 9 quality inspections

Elaborately polish every detail, significantly improve overall accuracy

## 100,000 bending test

The cable of the whole machine has passed 100,000 bending fatigue tests

# New Intelligent **AOLCUT**

## Precision Motion Control System

Maximum motion speed **2000mm/s**

The latest intelligent AOLCUT motion control system makes the machine run more intelligently, and can switch different motion strategies at will, easily meeting the processing needs of different products in different industries.



Remote diagnosis

Fast diagnosis  
remote solution



Intelligent optimization

Based on characteristics  
optimization strategy



Vacuum adsorption

Intelligent adjustment  
based on size suction



Cutting head

Multiple heads to meet  
multiple processes



# Leather Sofa Fully Automatic Cutting Machine

## Intelligent identification of defects

Defects are arranged by level, accurately arranged according to the parts of the cut pieces, and arranged according to different levels of areas according to needs to improve customer product quality.

## Intelligent typesetting software

Uses imported algorithms to maximize the utilization of leather materials, thereby reducing material waste and saving production costs.

## Solve management problems

One machine can replace 3-4 workers, and a 50-foot cowhide can be cut in just 5-8 minutes. Automated cutting by the machine reduces the manufacturer's dependence on leather cutters and greatly reduces labor costs.

## High-precision cutting

Steel structure welded bed, stable body, high cutting accuracy. Partition adsorption system, can set manual partition adsorption, follow-up adsorption, adsorption according to the picture, high-speed cutting material does not shift

## Equipment Parameters

Model	AOL-3235
Tool selection	Oscillating Knife Tool, Round Knife Tool, Punching Tool, Marking Pen, etc.
Processing size	3200mm*3500mm
Cutting speed	0-1800mm/s
Power	15KW
Adsorption method	Automatic partition adsorption
Support customization	Pipeline layout cutting, double-station layout cutting, offline layout cutting



Oscillating Knife Tool



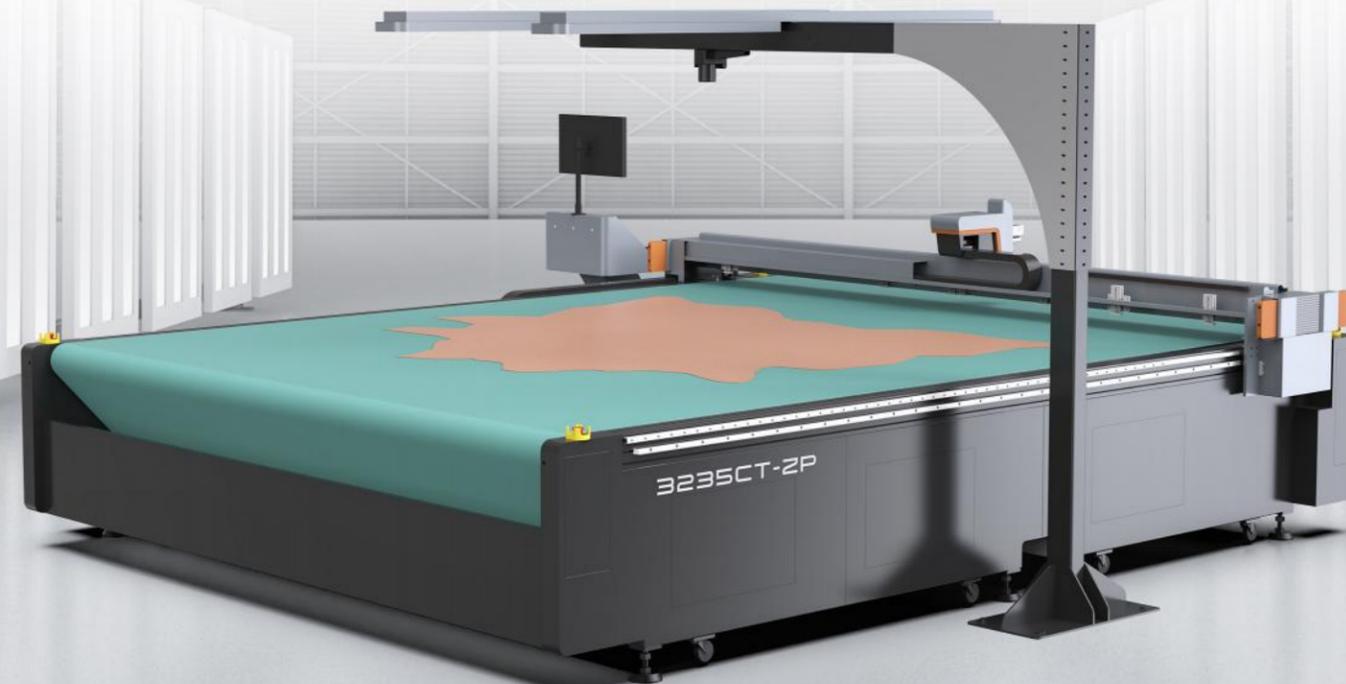
Round Knife Tool



Punching Tool



Marking Pen



## Modularized Cutting Tools

A variety of knives are portable and replaceable to meet diverse cutting needs.

### Oscillating Knife Tool

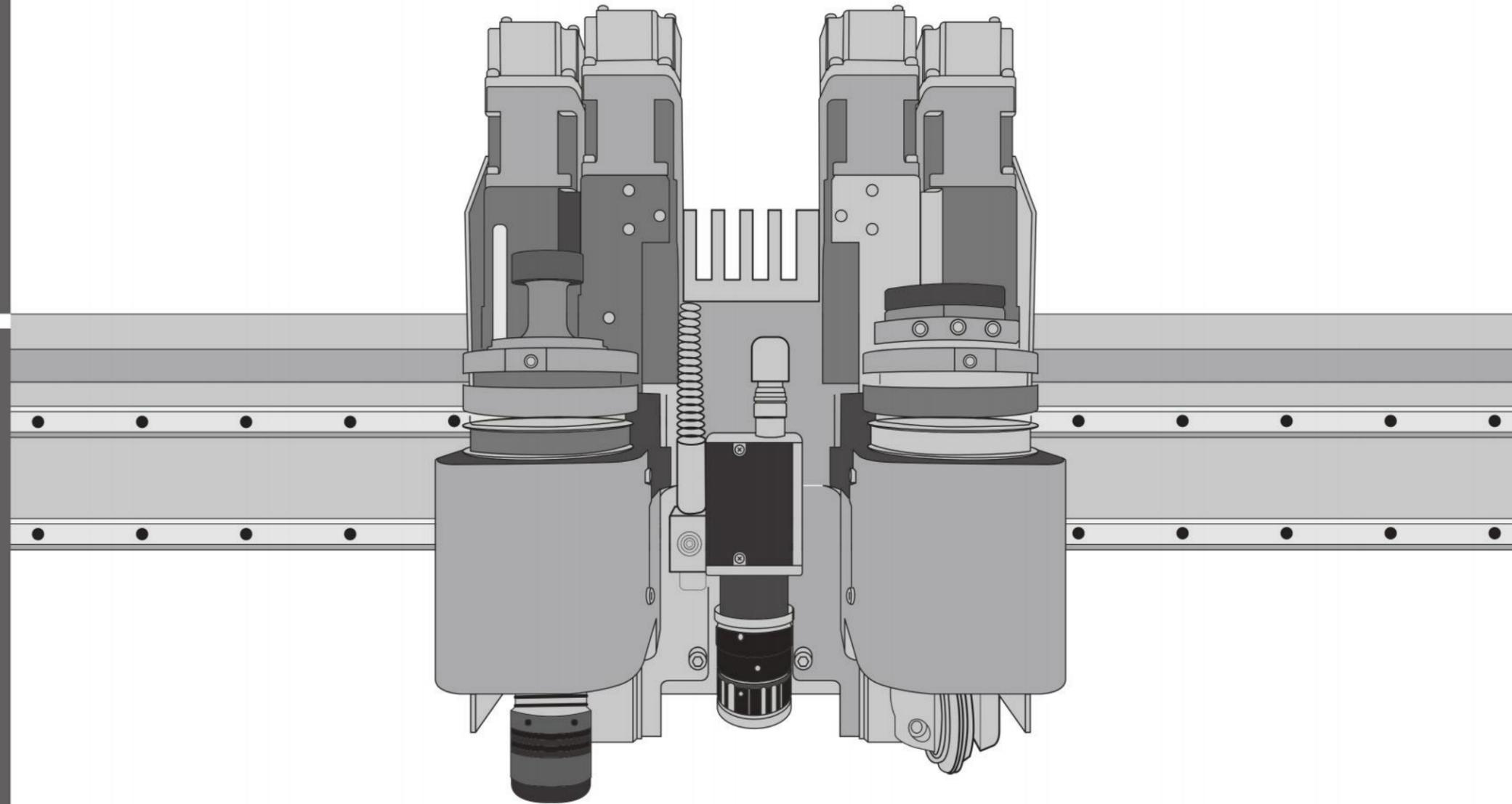
The material is cut through high-frequency vibration of the brushless DC motor, which is very suitable for cutting medium-density materials. With a wide variety of blades, it is suitable for processing different materials and can process arcs as small as 2mm.

### Pneumatic Knife Tool

The blade is driven by compressed air, with a maximum amplitude of 8mm, which is particularly suitable for cutting foam materials and more types of materials. With special blades, the thickness of the blade can reach up to 100mm.

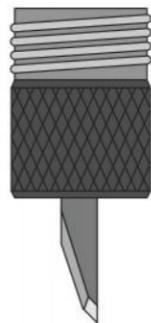
### Round Knife Tool

The circular blade is driven by a brushless DC motor to rotate the blade at high speed to cut materials. It can be equipped with a circular blade or a 10-point blade, which is particularly suitable for cutting braided materials. It can significantly reduce drag and help to completely cut off every fiber or thread.



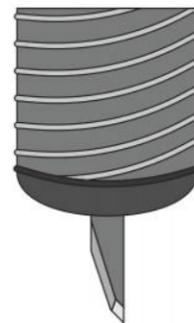
Electric Oscillating Tool

**EOT**



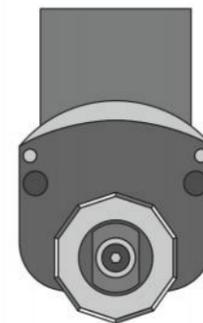
Pneumatic Oscillating Tool

**POT**



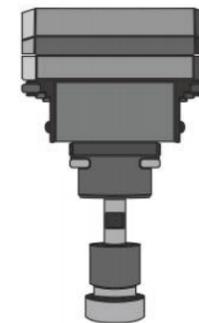
Driven rotary Tool

**DRT**



Hole Punching Tool

**HPT**



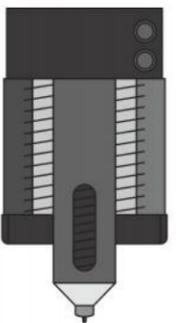
HD camera tool

**HDC**



Marking Pen Tool

**MPT**



# Equipment VS Manual Cutting

Intelligent Cutting Machine		Traditional Mode
5000-8000 feet per day	<b>Productivity</b>	3000 feet per day
2-3 people	<b>Manual</b>	6-8 people
70%—95%	<b>Material Saving</b>	72%—80%
CNC precision cutting	<b>Quality</b>	Large error, easy mistakes

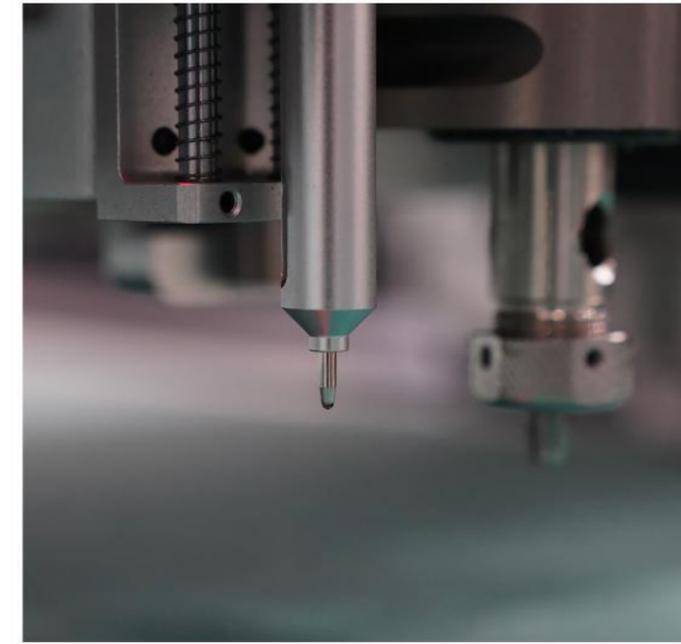
Labor Saving



Material Saving



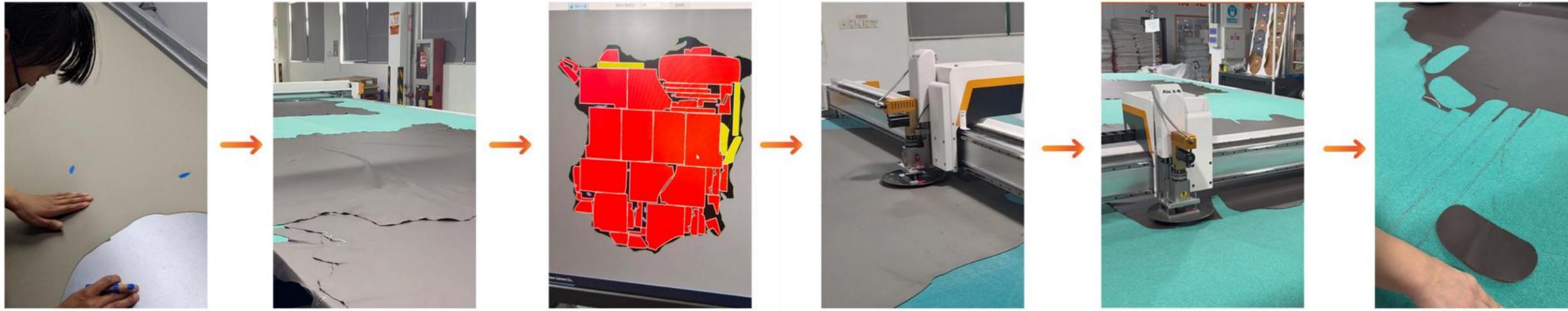
Knife Die Saving



# Equipment Production Efficiency



# Leather Cutting Process



For more cutting videos,  
scan the QR code above

Manual inspection  
of leather



Leather laying



Scanning  
and typesetting

(laying the next piece of leather at the same time)



Transport to  
cutting area

(laying down a piece of leather at the same time)



Cutting



Manual collect  
materials

# Display of Leather Products

