AOLCNC KNIFE CUTTING MACHINE
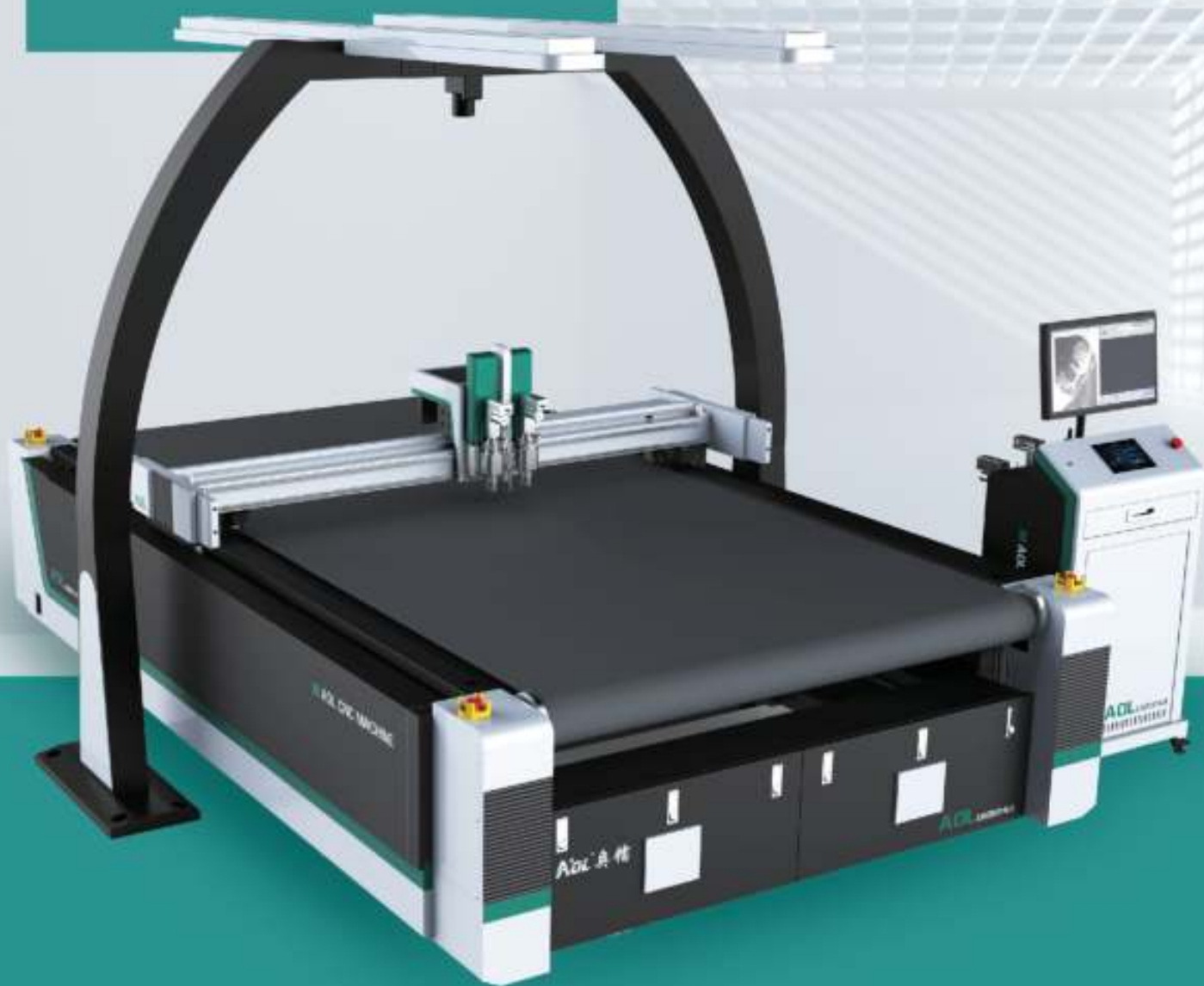
2023 New Experience

Leather & Shoes Industry

AOL 奥镭

www.aolcnc.com

AOL-1625PCS

Leather & Shoes Industry Cutting Machine

PC SERIES

CNC CUTTING

AOL

PRODUCT ADVANTAGES:

1. Selected industrial vision system, quickly scan of leather, automatic identification of shapes and defects.

2. AOLCUT self-developed software one-click import, ordering management.

3. Super typesetting master software, the nesting speed is 5 times increased, material utilization rate increases more than 10%.

4. Differentiate the grades according to the leather, support division and classification multifarious nesting cutting.

5. Using Sweden Linden gear transmission, high cutting precision ± 0.1mm.

6. Japanese Panasonic servo system, production efficiency increases more than 3 times.

7. AOL's unique tools exchange system, cutting, punching, marking automatically finish

8. Unique multi-partition technology, adsorption capacity increased by more than 5 times.

9. This model has won 5 patents technology certifications at home and abroad..

TECHNICAL PARAMETERS

Model	AOL-1625PCS / AOL-1825PCS (Accept customization)		
Working Range	1600*2500MM / 1800*2500MM	Rated Power	11KW
Product Size	3560*2350*1221MM / 3560*2550*1221MM	Rated Voltage	220/380V±10%
Cutting Thickness	≤15MM	Interface	Enternet port
Cutting Speed	50-100MM/S	Control Panel	LCD touch screen
Cutting Tools	Tools can be easily changed, with oscillating knife, circular knife, punching tool, etc.		
Cutting Material	Leather, PU skin, cow leather, Imitation leather, artificial leather, velvet skin, microfiber leather, composite skin, synthetic leather, suede patent leather, crocodile skin, and so on.		

AOL digital cutting machines process leather, sole, lining, and pattern materials efficiently and at the highest levels of quality.

AOL-1608D

Double cantilever knife cutting machine

It can cut multi-layer materials (thickness after adsorption: 0.1mm-18mm), with higher efficiency.

Multiple configuration options such as cutting and punching are adopted, and the configuration is more flexible

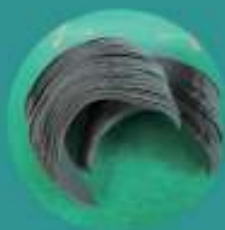The equipment is equipped with dual projectors, and the typesetting effect can be previewed in real time.

CNC CUTTING

AOL

PRODUCT ADVANTAGES:

▶ 1, It adopts the suspended double-head asynchronous cutting method, which is especially suitable for large-scale high-precision intelligent energy cutting of multi-layer flexible materials.

▶ 2, Adopt 9-axis precision control system, X, Y, Z, U axes adopt high-precision screw drive system, transmission precision screw > rack > belt.

▶ 3, The integrated casting measuring frame is used, the structure is more stable, corrosion-resistant, and can better ensure high-precision cutting

▶ 4, Clamping and feeding system: ensure that there is no slipping and no offset during the feeding process of multi-layer materials. The software can automatically calculate the feeding length according to the typesetting.

▶ 5, The equipment is equipped with safety light curtain protection, which has a high level of safety and ensures the safety of the operator.

▶ 6, The equipment is equipped with three-color warning lights, red, yellow and green, respectively representing the alarm state, idle state and working state.

TECHNICAL PARAMETERS

Model	AOL-1608D		
Working Range	1600*800MM	Rated Power	9KW
Product Size	(L) 3200mm* (W) 3000* (H) 2400	Rated Voltage	220/380V±10%
Cutting Thickness	≤18mm (according to different cutting materials)	Interface	Enternet port
Cutting Speed	0-300MM/S	Control Panel	LCD touch screen
Multifunctional Head	It adopts multiple configuration options such as cutting and punching, and can choose vibrating knife (single layer) and pneumatic knife (multilayer) for cutting. Optional double punching, four punching		
Cutting Material	Mainly used in footwear/clothing accessories industry: TPU/PU, gasket, leather, rubber, Gangbao, mesh, digital printing materials, midsole, gloves/hats and other flexible materials cutting and punching		

🛡 Productivity forecast; | Shoe pattern (shoe upper)1600pcs/h
Shoe pattern (small parts) 2400pcs/h

SOFTWARE COMPARISON

The leather industry recommends two typesetting software, Qinghe and Aoxing

	Qinghe software
Identification part	Automatic extraction of leather contour
Typesetting	1, Realize computer automation management, saving process and time
	2, Production flow, reducing dependence on skilled masters
	3, Realize the automatic nesting function, a variety of nesting methods
	4, Support timing nesting
	5, Support multiple leather typesetting at the same time
	6, supports incomplete recognition. The pieces are divided according to the importance of the parts
	7, Powerful compatibility, import/export functions, can directly import/export files in PLT and DXF formats
	8, Support arbitrary shape text/text edge processing
	9, supported projection outputs and supports various output devices

CNC CUTTING

AOL

Aoxing Software

Automatic extraction of leather outline and grading function (classify the material in advance and edit the leather grade)

1, There are various typesetting modes, including regional typesetting mode, level typesetting mode, roll material tiling mode, single piece priority mode, manual typesetting and so on. It supports functions such as grain lines, which can meet different processes and various production environments. The algorithm template rotates more angles, and the template is automatically combined and optimized.

2, There are many types of layout. Compatible with sheets and coils

3, Support regional typesetting and manual typesetting

4, The recognition algorithm has strong anti-interference ability, and the recognition effect of the algorithm is stable.

5, It can identify leather of various colors, and it can still maintain accurate identification after the felt is aged and discolored.

6, Support order management

7, Support projection and production Kanban

8, Defect identification is more accurate

9, The utilization rate of typesetting is higher than that of Qinghe, and the average utilization rate can reach more than 82%, which is much higher than that of the same type of typesetting software.

Jinan AOL CNC Equipment Co., Ltd.

CONTACT US

Telephone:
+86 053188620680

Emaile:
info@aolcnc.com

Whatsapp:
+86 18560162709

No.7 Workshop, Changruxiang Intelligent Innovation Industrial Park, 5789 Yushan Road, Guodian Sub-district Office, Licheng District, Jinan City, Shandong Province

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