

## Automatic Sheet Shearing Machine

**Model: ACM-600**

### Purposes:

1. Realize the Inlay sheet right-angle side shearing.
2. Automatic feeding, automatic correction cutting, automatic material receiving full automatic operation.
3. Dual camera visual identification of INLAY position, accurate and efficient.
4. PLC+ HMI control system to realize stable and easy operation.
5. Rotates 180° and cuts 4 edges.

Compatible with a variety of layouts. (3\*8, 3\*9, 4\*8, 5\*5, 6\*8, 6\*7, 7\*8, 8\*10etc.).



### Functions:

This machine is mainly used for the automatic cutting of INLAY right-angle edges in the production of card centerpieces. The machine is fully automatic and utilizes vision Positioning, three-axis servo automatic correction cutting. The equipment cuts with high cutting accuracy, high speed and high automation, which can greatly improve the production efficiency. Other similar cutting functions can also be customized according to customer requirements.

### Features:

1. This machine adopts PLC program automatic control, large screen friendly man-machine interface operation, the parameters are conveniently adjustable and the machine is easy to operate.
2. Adopting double-camera visual recognition technology, the accurate position recognition of the center material is carried out during production, and the recognition system can automatically calculate the position deviation amount. The repeatable recognition accuracy of the dual-camera recognition system can be as high as 0.03 mm.
3. The correction function adopts three-axis servo motor action, three-axis servo correction system automatically corrects according to the visual recognition deviation, the servo motor runs with high precision and good stability.
4. Punching and cutting mold adopts CNC processing to ensure the right angle of the mold and high cutting precision.
5. The equipment adopts automatic feeding and collecting mode, the height of feeding box and collecting box is 260 mm, the automatic feeding and collecting function realizes the full automatic operation of the equipment.
6. The first cutting edge will be positioned by OCR, the second cutting edge will be positioned by the first positioning data through OCR. The second cutting edge is calculated by the software with the first positioning data, the turntable is rotated 180 degrees, and micro-adjustment is made according to the cutting edge parameters, so as to achieve the cutting of 4 edges twice. In order to achieve the function of cutting 4 sides in 2 times.

### Specifications:

Item	Details	Item	Details
Dimension	L2320×W1550×H1600 mm (oversized standard layout) L3100×W1550×H1600 mm (Cutting edge + thickness detection+ laser coding + de-static)	Weight	1000-1100Kg
Power Source	AC220V 50/60 Hz	Power	Around 5kW
Air pressure	6kgf/cm <sup>2</sup>	Control Method	PLC+HMI
Positioning method	Visual positioning/OCR (accuracy ±0.03 mm)	Speed	Around 500~750 sheets/hour (cutting 2 sides)
Layout	3*8、3*9、4*8、5*5、6*8,7*8 (Other sizes can be customized)	Material thickness	0.15-0.55mm
Material Dimension	Non-rotating 580*700 mm; rotating 510*380 mm 515*650 mm (after cutting)	Stackable thickness	260 mm
Cutting accuracy	Around ±0.25mm	Maximum width of cut off	≤25 mm

**Notes:** above specification is subject to change without prior notice due to continuous improvement.