

## Fully Auto Sheet Shearing and Laser Coding Machine

**Model: ASCQ-600**

### Purposes:

1. Realize the Inlay sheet right-angle side shearing and laser coding automatically.
2. Automatic feeding, correction, laser coding, collecting and operation.
3. Applying 2 sets of cameras to realize high accurate and effective position recognition for the inlay.
4. PLC+ HMI control system to realize stable and easy operation.
5. Thickness detection function can be added according to customer requirements
6. Bar code printing function.
7. Equipped with the device to remove static.



### Functions:

This machine is used for the inlay right-angle edge cutting. Full auto, apply the vision system to make the location. 3 axis servo systems do correction to make the shearing. The machine is accurate, high speed to get high yield. The equipment has the function of laser code, can automatically code on the upper left of the Inlay. The machine can shear four sides, and compatible with larger or small layout production.

### Features:

1. The machine is controlled by PLC and HMI. Which make the machine easy to operation and adjust the parameters.
2. The machine apply 2 sets of cameras to realize the high accurate inlay position recognition, the accuracy is 0.03 mm.
3. 3 axis servo systems do correction to make the shearing automatically. The servo system is accurate and stable.
4. The punching die is made by CNC machine to make sure the die with high accuracy and right-angel.
5. Servo motor is used as shearing power, with high shearing force and low noise, suitable for shearing the thickness of finished cards.
6. Add laser coding station in the middle of shearing station and collecting station, which can automatically code on the upper left of the material.
7. The machine is auto feeding, auto collecting. The height of feeding and collecting area is 270 mm. Which realize the whole machine run automatically.
8. For part of the layout has the function of automatic shearing four edges, that is, two consecutive right-angle shearing, the two shearing with the same photo positioning as the benchmark to set the shearing positions respectively.
9. Includes laser machine and smoke cleaner, equipment with BMG CO<sub>2</sub> laser, the power is 20 watts. (Optional optical fiber, as required).
10. With count the Inlay number function.

### Specifications:

Item	Details	Item	Details
Dimension	L2680 mm×W1450 mm×H1600 mm	Weight	1000Kg
Power Source	AC380V 50/60 Hz	Power	Around 5KW
Air pressure	6kgf/cm <sup>2</sup>	Control Method	PLC+HMI
Position	2 sets Vision System	Speed	600-700 sheets/hour
Layout	3*8、5*5、6*8 (thickness : 0.2 ~ 1.0 mm)	Cutting accuracy	±0.2~0.3mm
Operator	1 Person		

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