

Automatic IC Card Milling Machine

Model: ICM-6000

Purposes:

For ISO7816 standard card cavity milling, particularly for dual interface cards which requires high-precision cavity milling.

Advantages:

- 1.High accuracy of cavity milling, particularly suitable for high-precision required production, like cavity milling on dual interface card.
- 2.Circuit meets CE requirements. Machine operation is safe and reliable.
- 3.Each spindle can accomplish different cavities with 5 layers. Two spindles deal with different graphics.
- 4.User can edit the milling route, start point, end point of each layer, which is convenient to control the speed and quality of cavity milling.
- 5.The software password has grades. Different grades have different parameter management rights, such as operator password, administrator password.



Features:

- 1.Adopting IPC and Yaskawa high precision servo control system
- 2.Double-magazines design, two cards feeding at the same time
- 3.Card orientation detection before cavity milling which can reject anti-card automatically.
- 4.Transfer belt controlled by servo can feeding automatically, quickly and accurately.
- 5.Mechanical position, whose position accuracy is far higher than that positioned by cylinder. The fixture adopts four sets imported bearings to guide. Cards can be compressed when milling.
- 6.Adopting high-speed, water cooling spindle which ensures high-speed running precision and make bits & spindle longer life time. Dual-spindle design, can mill two cards at one time, processing efficiency is high.
- 7.Double gong head milling groove design, completing two card milling grooves at once, with high processing efficiency;
- 8.Cavity dimension adjusted by the specialized production software interface and the sketch shown instantly. The operation is very easy.
- 9.Twice pneumatic enclosed dust vacuum cleaning device on & after milling can ensure dust removed.
- 10.Electrical performance testing to verify the conduction of antenna on dual interface card. Unqualified cards to be rejected into the waste magazine.
- 11.Emergency stop buttons on both sides. Well grounding.
- 12.Safe access control switch. Automatic outage once the door opens.

Specifications:

Item	Details	Item	Details
Max. milling dimension	14X14mm (configured by clients' requirements)	Suitable material	PVC, ABS, PETG, PC, smooth card, ISO7816 standard card with transparent film
Milling accuracy	X,Y (position) = +/- 0.02mm Z(depth) = +/- 0.01mm	Spindle rotate speed	1000-40000 turns/min
Throughput	5000-6000 UPH	Yield	99.0%
Air consumption	400L/min	Power	AC380V, 50/60Hz, 3KW (excluding vacuum)
Weight	800 kg	Air pressure	6kg/cm ² , clean, dry and oil-free.
Dimension	L2000mm×W800mm×H2000mm	Environment	Constant temperature 22 C, ±3 C, dry and dust free.

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