

TECHNICAL SPECIFICATION SHEET

SC-120 Desktop Electric Card Punching Machine (ISO/IEC 7810 ID-1 Standard Format)

The **SC-120 Electric Card Punching Machine** is a high-precision, next-generation tabletop punching equipment independently engineered and patented by SINOCARD. Optimized for card manufacturing and card body cutting, this heavy-duty tabletop electric unit features safety-enclosed shearing mechanisms, instant foot-switch (pedal) pressure activation, and interchangeable die capabilities. The machine is designed to punch PVC and similar materials ranging from 0.3 mm to 1.0 mm thickness.

I. TECHNICAL PARAMETERS & MANUFACTURING SPECIFICATIONS

TECHNICAL PARAMETER REQUIREMENT	MANUFACTURER GUARANTEED SPECIFICATION & PERFORMANCE
Equipment Model	SC-120 Desktop Electric Card Punching Machine
Equipment State	Brand New, Non-Refurbished (Direct Factory Assembly)
Format Compatibility	Standard ISO/IEC 7810 ID-1 Format (Standard Card Size)
Punching Dimensions	85.60 mm x 54.00 mm (Pre-configured Precision Cutting Size)
Corner Profile	Precision Rounded Corners with 3.0 mm Radius (Smooth, burr-free edges)
Maximum Feed Size	105 mm x 297 mm (Optimized for half A4 material sheets)
Punching Thickness Range	0.3 mm - 1.0 mm (Highly optimized for PVC and physical equivalents)
Execution Structure	Desktop Tabletop compact footprint
Punch Configuration	Heavy-duty '1-Up' design (unitar cutting - one card per cycle, poanson and die mould set)
Blade Material	High-grade hardened, precision-ground and polished alloy tool steel
Drive Activation Mode	Foot-switch activated pressure control (pedal command for safe, hands-free feeding)
Power Requirements	220V / 50 Hz
Physical Footprint (L x W x H)	410 mm x 320 mm x 370 mm
Equipment Gross Weight	33.0 kg (Heavy steel frame providing excellent workbench stability during operation)

II. KEY MECHANICAL FEATURES & PERFORMANCE CHARACTERISTICS

- **High-Performance:** Rapid-cycle electric punch drive ensuring clean, repetitive cuts with an efficient, high-speed manual throughput.
- **Hardened Tool Steel Shears:** Cutting poanson and matrix molds engineered from carbon steel for ultimate edge retention and burr elimination.
- **Safe Hands-Free Operation:** Designed with zero potential safety hazards during intended use. The compact tabletop metal casing naturally shields the internal drive mechanism, while the foot-switch control allows the operator to keep hands completely free and away from the punching area during the cutting cycle.
- **Adjustable Margin Guides:** Sliding mechanical alignment guides provide easy sheet adjustment in the feed slot, guaranteeing high positioning repeatability.
- **Precision Visual Alignment:** Transparent visual check slot allows operators to realign sheets instantly, minimizing waste material.
- **Complete Set Delivery:** Packaged with 1 set of ISO/IEC 7810 ID-1 card dies pre-installed, plus 1 original reserve cutting die mold set in standard package.



III.MANUFACTURER'S REGULATORY DECLARATION & FACTORY WARRANTY

SINOCARD officially declares and guarantees that the SC-120 Electric Card Punching Machine is designed and built in full compliance with the technical and safety criteria of the European Union Machinery Directive 2006/42/EC and Low Voltage Directive 2014/35/EU, as certified by **Attestation of Compliance Reference No: TRCN-24291WSM02**. The manufacturer provides a comprehensive 12-month standard factory warranty covering technical defects, beginning from the formal installation and delivery date, genuine replacement parts, including high-durability ISO/IEC 7810 ID-1 replacement die moulds.

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