

Euclid E2030 – ID Card Automated Finishing System



The Euclid E2030 series provides automated systems that enable a single operator to 'finish' up to 3000 ID cards, visas or other personalised security documents, per hour, working from pre-printed basestock. The system is fully flexible and can optionally allow for double sided paper cards, single-sided and folded paper cards, and synthetic paper (teslin) cores. A range of card sizes can be catered for.

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OPERATION

The operator loads card basestock, or cores, into the feeder and the process is started. Under machine control the cores are automatically fed into the pinch of two rolls of laminate where a combination of heat and pressure bonds the core integral to the laminate. Tension is maintained upon the resultant web of encapsulated cores throughout a cooling process before single cards are accurately pierced, removed and automatically stacked upon a conveyor.

Waste laminate is rewound integral to the unit for subsequent removal and disposal.

HARDWARE STANDARD FEATURES

- ▲ Simple operator control – effectively providing single button Start / Stop.
- ▲ Full operator display of any fault / material status problem.
- ▲ Sensing to detect splices, laminate out, temperature etc. and related control to preclude waste cards.
- ▲ Die punching to an accuracy within 0.2 mm, 1 – 3 up dependent upon card size.
- ▲ Laminate waste minimisation system.
- ▲ Flatness of cards in accordance with ISO7810.
- ▲ Simple, modular construction to facilitate maintenance.
- ▲ Microprocessor control.
- ▲ Waste rewind system.
- ▲ Sequence counter.

OPTIONAL FEATURES

- ▲ Range of feeders to suit differing card sizes, core materials and throughputs.
- ▲ Holographic and printed overlays – random or registered.
- ▲ In line embossing.

TECHNICAL FEATURES

Height	130 cm
Width	110 cm
Depth	80 cm (including conveyor)
Weight	110 kg
Power	220V /50 Hz - 110V /60 Hz, 1.5W
MTBF	½ million documents

(Sizes and style of machine may vary according to card size, core material and optional features on build.)

ENVIRONMENTAL REQUIREMENTS

Operating Temperature	15-25 degrees Celsius
Relative Humidity	20% - 85% non condensing