

Smart Card System



LM2, XY2, PP3

The Datum smart card system comprises of 4 modules which can be operated as stand alone machines or integrated in a single production line*.

The system uses a hot melt adhesive which is pre-attached to the rear of the 35mm chip module roll using the LM2 machine. The adhesive can be optionally punched to remove the area around the silicon.

ISO PVC or PET cards are prepared for chip insertion by milling a cavity into the surface by the XY2 which utilise CNC motion controlled axis to make the cut.

The PP3 chip insertion systems punches the chip and bonds it into the card using a two stage system. Cameras can be fitted to the system to inspection the position and orientation of the chip against preset parameters.

Finally the cards can be personalised with the EN2** to add data to the chips and, optionally, printed with a sequence number onto the surface of the card.

Technical Data

LM2

Features:

Upto around 80 m.p.m**

Operator Adjustable Temperature

Optional Extras:

Chip Reject Module Counter

Adhesive Punch

Chip Tester

Dimensions:

Height: 1575mm, Width: 1300mm, Depth: 500mm, Weight: 100Kg

XY2

Features:

Automatic Feeder

Upto around 20 c.p.m**

Stacking Output Conveyer

CNC Motion Controlled Axis

Computer Interface

Optional Extras:

Camera Inspection System

Pneumatic Chuck

Double Head Cutting Systems

Dimensions:

Height: 1640mm, Width: 2500mm, Depth: 1050mm, Weight: 300Kg

PP3

Features:

Automatic Feeder

Upto around 40 c.p.m**

Stacking Output Conveyer

Operator Adjustable Temperatures

CNC Controlled Axis

Computer Interface

Optional Extras:

Camera Inspection System

Chip Registration System

Dimensions:

Height: 1640mm, Width: 2500mm, Depth: 1050mm, Weight: 300Kg

All machines require:
Power - 220V AC unless otherwise specified
Clean Dry Air - 90 PSI

*factory preset
**dependant on product, maximum mechanical speed
Design subject to change without notification
Actual speeds will be dependent on products used, settings and configuration