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# MODEL: IMA 1500H

## Smart Card Milling and Chip Implanting Machine



Partnerships in card solutions

## Range of application

The IMA-1500H is a fully automatic milling and chip implanting system for chip or smart cards such as telephone cards, bank credit cards, GSM cards, ID health care cards, etc.

## Advantages

- Extraction of individual cards from two removable loading magazines
- The timing belt transporting system moves the cards from one workstation to another in a synchronized manner.
- Card thickness measuring station ensuring only one card is fed
- CNC cavity high speed milling head for up to 60,000 RPM & dust extraction
- Hot melt tape spooler, puncher, laminating and peel off system to laminate with chip module tape
- Chip module punching station and pick & place system for chip module implanting in the cavities
- Bonding of chip into the card cavity
- Cooling press station
- Data input device
- Sorting of cards into good and reject magazines
- PC based control for easy operation
- Production capacity of up to 1,500 cards per hour
- Smooth, low-impact operation reduces the noise level to a minimum
- Both milling and implanting in one compact system
- High efficiency, yield, and ease of use through the use of hot melt adhesive
- Modular design
- Integrated hot melt lamination system
- Very stable and consistent production process
- Both flexible and reliable

## Specifications

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Major function	Milling & Implanting	Spindle speed	5000~60000 rpm
Card material	PVC, ABS, PC, PET	Adhesive type	Hot melt tape
Card dimension	ISO standard	Max. lamination temp	220° C
Throughput	1500 cards/hr.	Implanting accuracy	X,Y,Z± 30µm
Capacity per magazine	500 cards(ISO 7810)	Detection tolerance	4µm
Milling axis	3 (X,Y,Z)	Dimension	2810Lx1240Wx1800H mm
Milling accuracy	X,Y± 30µm, Z± 15µm	Weight	1800 kgs



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