

PRODUCTION MACHINES

FAST & AFFORDABLE FOR SMALL
& MEDIUM CARD MANUFACTURING



Card's production requires fast and cost effective manufacturing for providing the best quality and competitive card products. Small and medium size companies could not rely on a large-scale production factor to reduce the impact of their investments. MULANN offers fast and affordable card production machines enabling SMB companies to remain strongly competitive. Our production machines are designed for ensuring the best quality at an affordable cost.

For example, the MEM Series is aimed to realize all the card module embedding operations within one single machine and to reduce the useless card magazine load/unload operations between steps that slow down the overall speed. This card production machine is optimized for simultaneously reducing the user operations and to offer the best cost/performance ratio.

WE ENSURE FOR YOUR PRODUCTS QUALITY, BEST COSTS & SECURITY

MEM

The MEM series machines have been designed as affordable and fast all-in-one machines dedicated for an efficient contact and contactless card's production. The same equipment performs all the operations such as the module glue tape lamination, the cavity milling, the module embedding and the card testing to deliver fully functional ID1 smart cards. This machine is perfectly suited for small and medium scale mass production.










CFM

The CFM Series machines are automatic High-Speed function test machines designed to perform contact and dual interface card mechanical and functional tests. This machine performs tests regarding the card lamination and module positioning, ATR test for chip cards as well as ATS and frequency tests for contactless/dual-interface cards. The CFM Series machines are equipped with two conveyors for testing simultaneously two cards provided from two independent dispensers.

ASSOCIATED PRODUCTS / MAGNETICS

We also provide high quality magnetic consumables for smart card manufacturers:
TAPES & SLURRIES

PRODUCT PANEL - PRODUCTION MACHINES

Product		Description	Format			Features						
			Input	Output	Pcs/hour (max.)	Module Counting	Glue Tape lamination	Cavity milling	Module Embedding	ATR Testing	Contactless testing	SIM Cards
PREPARATION												
MCM		FAST GOOD/BAD MODULE COUNTING The MCM Series has been designed to quickly and accurately count the number of modules without operator actions. The numbers of good and bad modules are displayed on the screen.	Module Reels	Module Reels	120000	●						
GTLM		HIGH SPEED GLUE TAPE LAMINATOR The GTL Series is the perfect companion machine for the CEM Series and SEM Series machines to realize the glue tape lamination operation. Two types of unching/die are installed to prevent changing the tools too frequently. The glue tape lamination accuracy is ensured thanks to guiding pins able to fix the module at an accurate position.	Module Reels	Module Reels	8000		●					
PROCESSING												
CMM		HIGH SPEED CARD MILLING The CMM Series is well suited for high speed milling. Double cards checking and card repositioning fingers fixing the card at the correct position ensure fast operations. Milling shapes and dimensions are adjustable and the machine is equipped with a double cleaning system.	ID1 Cards	ID1 Cards	4500			●				
CEM		HIGH SPEED CARD MODULE EMBEDDING The CEM Series is the perfect machine for the embedding process. The cooling system performance enables the use of any hot melt adhesive without card deformation. Non-milled cards will be automatically rejected and good/bad cards are automatically dispatched into different collectors.	ID1 Cards	ID1 Cards	5000				●			
SEM		SIM CARD EMBEDDING The SEM Series has been designed for processing multiple SIM plugs. It can process 2 SIMs in 1 card, 4 SIMs in 1 card, 6 SIMs in 1 card and up to 8 SIMs in 1 card. Module embedding is highly accurate (up to +/- 0.01mm). The automatic module testing station enables to sort the good/bad cards.	ID1 Cards	SIM Cards	2000				●			
MEM		ALL-IN-ONE CARD EMBEDDING The MEM Series is the perfect machine for manufacturing cards. It includes the glue tape lamination, the card milling and module embedding operations as well as the final ATR testing. By reducing the loading/unloading operations between steps, this machine ensures a processing speed between 2700 and 3200 cards per hour.	ID1 Cards	ID1 Cards	3200		●	●	●	●		
PUNCHING												
HCM		HIGH SPEED CARD CUTTING The HCM Series is aimed to cut one card into two halves. It is the perfect companion machine for the SIM plug punching machines when two SIM plugs are located on the same card. The machine automatically detects up-turned cards by identifying the front side from the back side.	ID1 Cards	SIM Cards	6000							●
SPM		HIGH SPEED SIM PLUG PUNCHING The SPM Series has been designed to punch different plug formats and can handle punching dies such as 2FF, 3FF, 4FF, etc. It checks for double cards entry and is also able to punch 2 SIMs in 1 card.	ID1 Cards	SIM Cards	7000							●
TESTING												
CFM		HIGH SPEED CARD FUNCTION TEST The CFM Series are the perfect pieces of equipment for ensuring your card production 100% tested. Depending of the type of cards to test (contact or contactless) it can handle the card lamination and module position testing, the ATR, ATS and card frequency tests. The machine is equipped of two conveyor and magazine systems for faster processing.	ID1 Cards	ID1 Cards	7000					●	●	