

# PersoLaser

## Compact

- Smart Card Laser Personalisation Machine
- ID, Banking & SIM Card Applications
- Centralized and Decentralized Topology
- HSM Connection for Secure Communication

Laser Engine	
Type of Laser	Diode Laser
Laser Power	3 w
Laser Wavelength	IR-1064 nm
Resolution	1200 dpi
Engraving Mode	Single & Dual-Sided Laser Engraver
Laser Life Time	Desktop: 10,000 hr = 2.4 Millon Cards Compact: 5,000 hr = 1.2 Millon Cards
Throughputs	
Card Feeding	Manual
Maximum Speed	120 cph (base on data size)
Repeated Positioning	± 500 micron
Card Input Feeder	Single card
Card	
Card Thickness	800±40 mic (ISO7816)
Card Size	ID1 (53.98 x 85.60 mm)
Card Material	PVC, Laserable PVC, PC, PETG, ABS
System Properties	
Image Area	86x54 mm
Minimum Character	6 pt, 2 pt (Laserable subs.)
Cooling Methode	By Air
Display	LCD Monitor (Optional)
Emergency Stop Button	Yes
Operating System	Windows 10
Communication	USB3 & Com port
Flipper Unit	Yes
Vision QC Unit	(Optional)
Provision for External Air Filter Device	(Optional)
Software	Standalone or Web API Services
Contact Module	ISO 7816 (Read & Write)
Contactless Module	ISO 14443 (Type A/B), Mifare, DESFire, iCLASS ISO 18092 (NFC)
Magnetic Module	ISO 7810, ISO 7811, ISO 7812, ISO 7813, ISO 8583 ISO 4909 (Read & Write Track 1, 2, 3 HiCo)
Machine Weight	23 kg (Approx.)
dimension W x L x H	32x45x52 (cm)
Power Consumptions	1,400-2,200 W
Minimum Line-Width	20 mic
Reject Bin	No
Security	
Physical lock	At Input Feeder
Laser Safety	Class-IV inside, Class-I outside
Environmental Condition	
Room Temperature	15 - 25 °C
Room Humidity	%20 - %75
Room Clean Condition	ISO 9
Power Supply	Single Phase 220 VAC (Used with Stablizer or UPS)
Earthing System	ISO 60364



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