SEMCO International

Electronic Image Engraving Security System

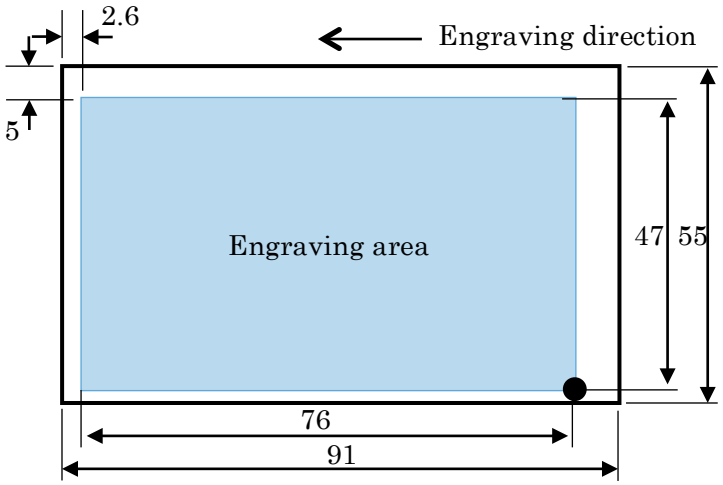
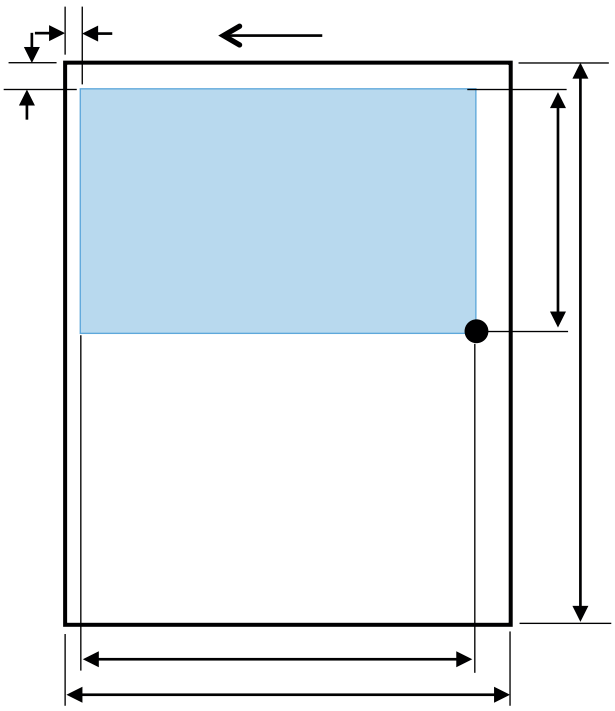
EIE-777

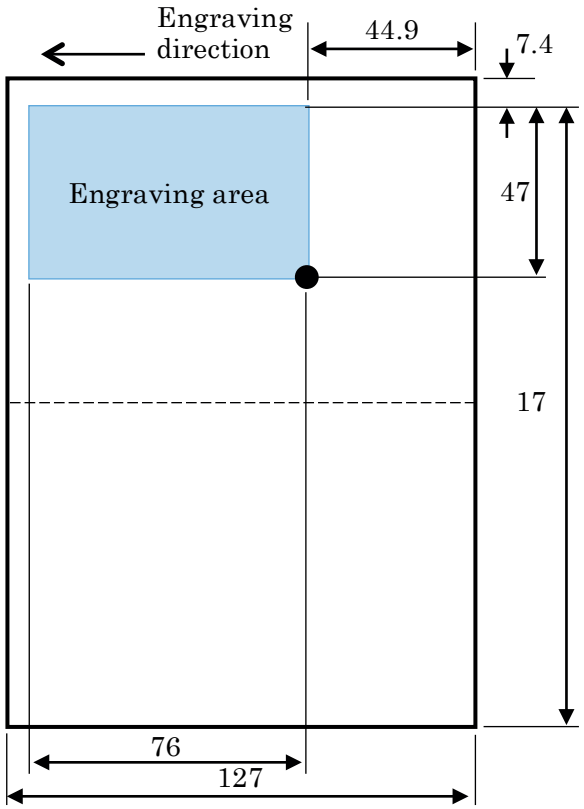
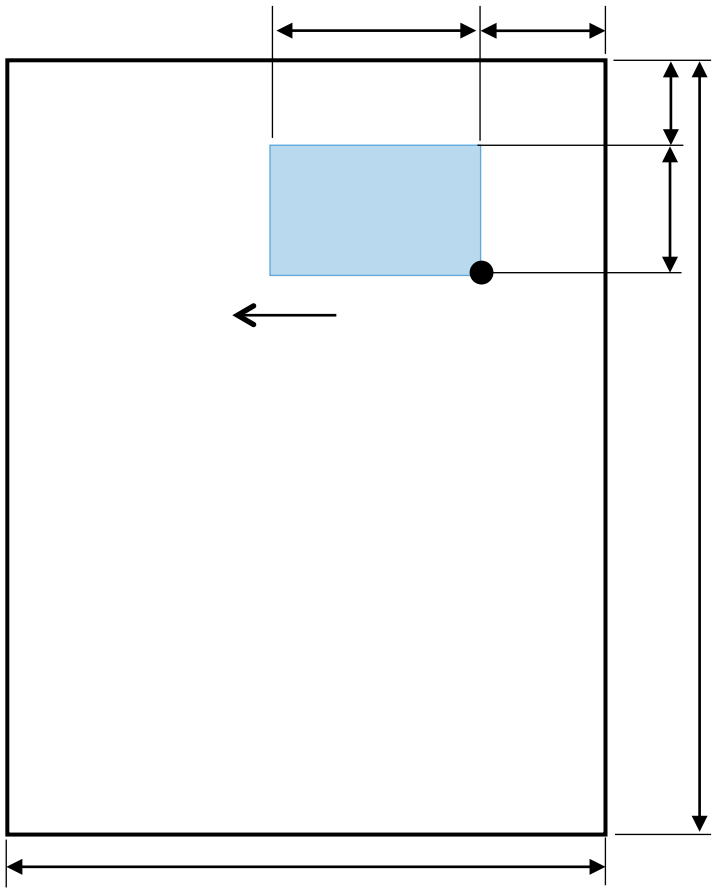


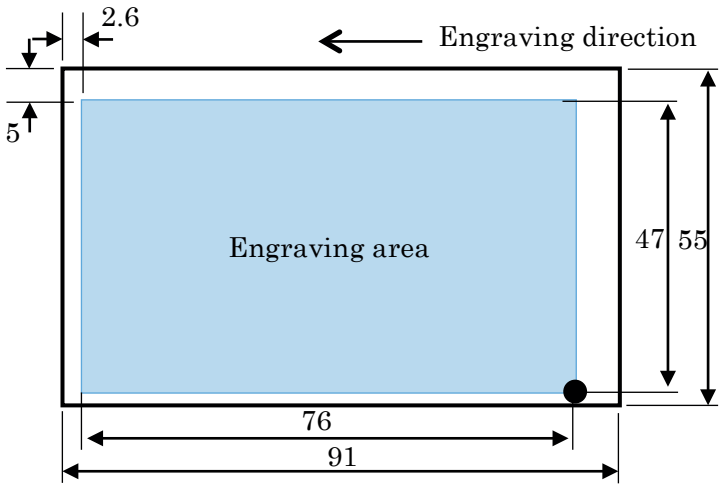
SPECIFICATION OF ELECTRONIC IMAGE ENGRAVING SECURITY SYSTEM EIE-777

Sl No.	Particulars	Specification
A	**GENERAL**	
1	Engraving size	76.0 x 47.0 mm
2	Media	Material: PVC, PET, Special Synthetic Resin Paper Size: 85.6 x 54.0 mm to 279.4 x 215.9 mm / 297 x 210 mm Thickness: 0.1 mm to 1.0 mm E.g. Plastic Card (85.6 x 54.0 mm, t = 0.76 mm)

		Pass Card (85.6 x 108.0 mm, t = 0.76 mm) Passport (127.0 x 176.0 mm, t = 0.1) Certificate (279.4 x 215.9 mm, t = 0.1 +) Business Card (91.0 x 55.0 mm, t = 0.1 +)
3	Media fixing method	Suction vacuum
4	Waste removing method	Suction cleaner
5	Interface	USB 2.0
6	Display	LED indicator (POWER, READY, ERROR, DATA1, DATA2)
7	Control button	START, RESET, Vacuum ON/OFF
8	Compatibility	CE Marking (EMC, Low voltage, RoHS)
B	**IMAGE ENGRAVING SPECIFICATION**	
1	Method	Raster engraving with stylus
2	Engraved image type	Positive or watermark image (depending on media type)
3	Carving type	Line engraving
4	Resolution	Vertical: line width 5.5 lines/mm (140 dpi) Horizontal: 5.5 dots/mm (140 dpi) Tone: 256 steps
5	Process time	Varies according to engraving area size E.g., 45 seconds for 20 x 20 mm area
C	**MACHINE SPECIFICATION**	
1	Power supply	AC 115 V (AC 95 to 120 V) (50/60 Hz) or AC 230 V (AC 190 to 240 V) (50/60 Hz)
2	Power consumption	Maximum power consumption: 500 VA Power consumption in operation: 250 VA or less
3	Dimension	Width: 606 mm Depth: 555 mm Height: 885 mm (height from ground when installed) Engraving table height: approx. 760 mm from ground
4	Exterior	Body: sheet metal enclosure, bake coating Front cover window: transparent acrylic board Bottom: casters with adjuster feet x 4
5	Weight	87 kg (89.7 kg when stoppers are attached)
D	**ENVIRONMENTAL SPECIFICATION**	
1	Operation temperature range	+5°C to +35°C
2	Storage temperature	-10°C to +55°C
3	Humidity	35% to 85% without condensation or freezing

E	ENGRAVING SURFACE AND SIZE	
1	Plastic card (through use of Card attachment)	
2	Pass card (through use of Card attachment)	

3	Passport (through use of Passport attachment)	
4	Certificate	

5	Business card (through use of Card attachment)	
F	**SOFTWARE REQUIREMENTS**	
1	OS	Windows 8.1, 64-bit
2	Monitor resolution	1600 x 900 pixels (HD+/WXGA++) or higher
G	**FEATURES**	
1	User authentication	Palm Vein / Password authentication
2	Multi connection	One-PC to 6-Engraver connectable
3	Protection	Overcurrent breaker, Surge protector
H	**OTHER FEATURES**	
1	Select a engraving data by scan barcode	
2	Data import from CSV file	
3	Remote control; authenticate a software license via internet on each time (option)	
4	For security purpose, engrave a machine identity pattern on a media	
5	For security purpose, RFID tag inside	
6	Front cover interlock is able to switch On/Off	

2. STYLUS	
Sl No.	**Technical specification**
1	Material: Diamond
2	Life cycle: 29,000 sheets (engraving size: correspond with 20 x 20 mm)

3. VEIN AUTHENTICATION SENSOR	
Sl No.	**Technical specification**
1	Use a Fujitsu Palm Vein Authentication “PalmSecure” Sensor only.

4. BARCODE READER REQUIRMENTS	
Sl No.	**Technical specification**
1	Output data include a suffix RETURN character
2	Output data NOT include check digit nor start/stop character

SEMCO – Laser Matte Opaque – Special Synthetic Resin Paper (SSRP)

Color Laser Printable non-tear media

Product Description & Application

SEMCO – Laser Matte Opaque – Special Synthetic Resin Paper (SSRP) is a Polyester film specially coated on both sides whish is suitable for engraving, digital & offset printing.

Features & Benefits

- PET Film base provides tear resistance, thermal stability for long term durability
- Outstanding toner & ink adhesion for sharp and high definition images
- Thermally stable PET film base allows for thermal lamination.
- PET film substrate provides superior water resistance & excellent weather ability
- Writable surface allows to add comments, signature and it can be stamped as well for application of certificates
- High Opacity allows printing on both sides

Product Specifications

Base	: Polyester Film
Thickness	: 160 GSM & 260 GSM
Surface Finish	: White Matte
Opacity	: >95%
Shelf –Life	: Two years from the date of packing when stored in original packing at 20-25 C.
Pack Size	: 50 Sheets per pack

Printer Compatibility & Settings Chart

Company	Model
HP	Indigo 3500, Indigo 5500, Indigo 5600, Indigo 7500 & Indigo 7600
Konica	**Minolta Bizhub Pro C6501 / Bizhub Pro C 6500 (Recommended)**
Canon	C6000 AP / C 7000 VPOKI
OKI	C9xxx, C910/ES9410, C830/810/801/821, C610/ES6410, C711/ES7411MGI
MGI	METEOR DP8700XL & MGI METEOR DP 60 PRO
Ricoh	Pro C751