

# DILETTA RL90

## Passport Laminating System for Ultra-Thin Security Foil on Supply Roll

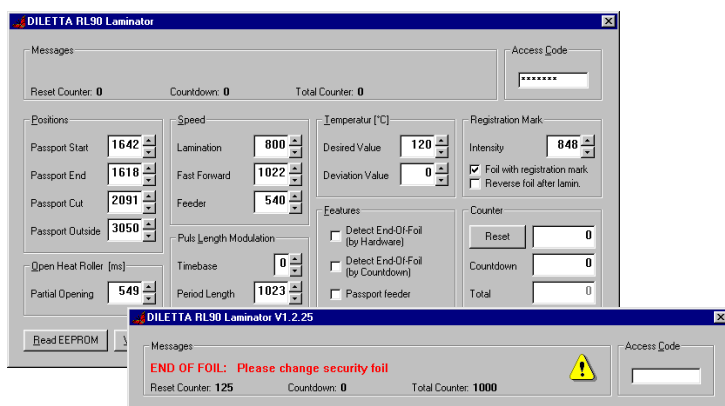


### Security foil on supply roll

The laminate comes on a supply roll suitable for the DILETTA laminator. During the lamination, a 50 micron polyester film deposits a 6 to 8 micron tamper-evident coating on the passport page. The coating is available with different features with registered images and non-registered repeating images / features (wallpaper)

### Full control of all settings and status

The RL90 laminator comes with a software tool with three password protected operator levels for User, Supervisor and Administrator. In the user level the laminator displays all administrative information in order to advise the user in laminators use. The supervisor level allows to adjust the laminator to a specific foil. Temperature, laminating speed, positions and many further features can be set.



### Features

#### Key Locked Cover

for protection of foil against theft

#### Triple Thermal Protection

against over-heating

#### Easy Foil Handling

Quick release clamping system for plastic core of laminate and takeup-roll; or special quick release system for hard paper cores.

#### Full Metal Housing

for highest durability and electro-magnetic shielding

#### Serial interface

for communication and configuration

Automatic passport size adaption (length and height)

Registered positioning of laminates

#### In-field firmware update

via serial interface

#### Fast Lamination Speed <sup>1&2)</sup>

Laminating time < 20 seconds

#### Different versions

for automatic and manual operation

#### Different Heat Rollers

for high glossy foil finish or for critical passports with heavy watermark or uneven surface

End-Of-Foil detection

Three internal counters

Compact design

PC-Software for individual settings and communication.

#### Full Range Power Supply

from 100 - 240 VAC, 50 / 60 Hz

#### Silent

No noise emission during stand-by and extremely silent during lamination

# Passport Laminator for **Ultra-Thin Security Foil** on Supply Roll

## Available foil features

Hologram or Kinegram®, wallpaper and registered

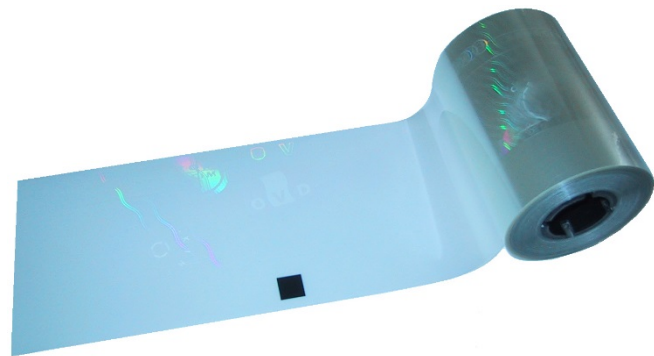
### Optically Variable Devise Features

Micro and nano printing; fine line printing, incl. guilloche or fine line background patterns; hidden imagery, viewable with laser pen; Scrambled Indicia; partial demetalized imagery

### Optically Variable Inks

Invisible UV inks; color shifting inks; OVD inks; water soluble inks; polarized color shifting inks; energy converting inks; Advantage color shifting orange to green or transparent.

And many more. Please contact our sales team for further information.



## Technical Specification

### Lamination

Temperature Range ..... 40 - 180 °C (104 - 266 °F)  
Laminating Speed <sup>1&2)</sup> ..... 18 - 30 sec. per passport  
Heat up time (130°C) ..... approx. 120 sec.

### Technology

CPU ..... 20MHz Micro controller  
Laminating Method ..... Heat roll, MC controlled

### Media

Machine Readable Passports .....yes, up to 96 pages

### Interfaces

RS-232-C (serial) ..... yes  
USB 2.0 .....with optional adapter

### Dimensions

Width x Depth x Height ..... 360 x 240 x 220 mm<sup>3</sup>  
Weight ..... approx. 16 kg

### Power

Source ..... 100 - 240 V, 50 / 60 Hz  
Consumption ..... max. 450 W  
Heat Lamp ..... max. 300 W

### Operating Environment

Temperature Range ..... 5 to 35°C (41 to 95°F)  
Humidity ..... 10 to 90% RH with no cond.

- 1) Lamination time depends on activation time of hot adhesive
- 2) Depending on version of heater may longer.

## DILETTA ID-Systems

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