



# LES 9000

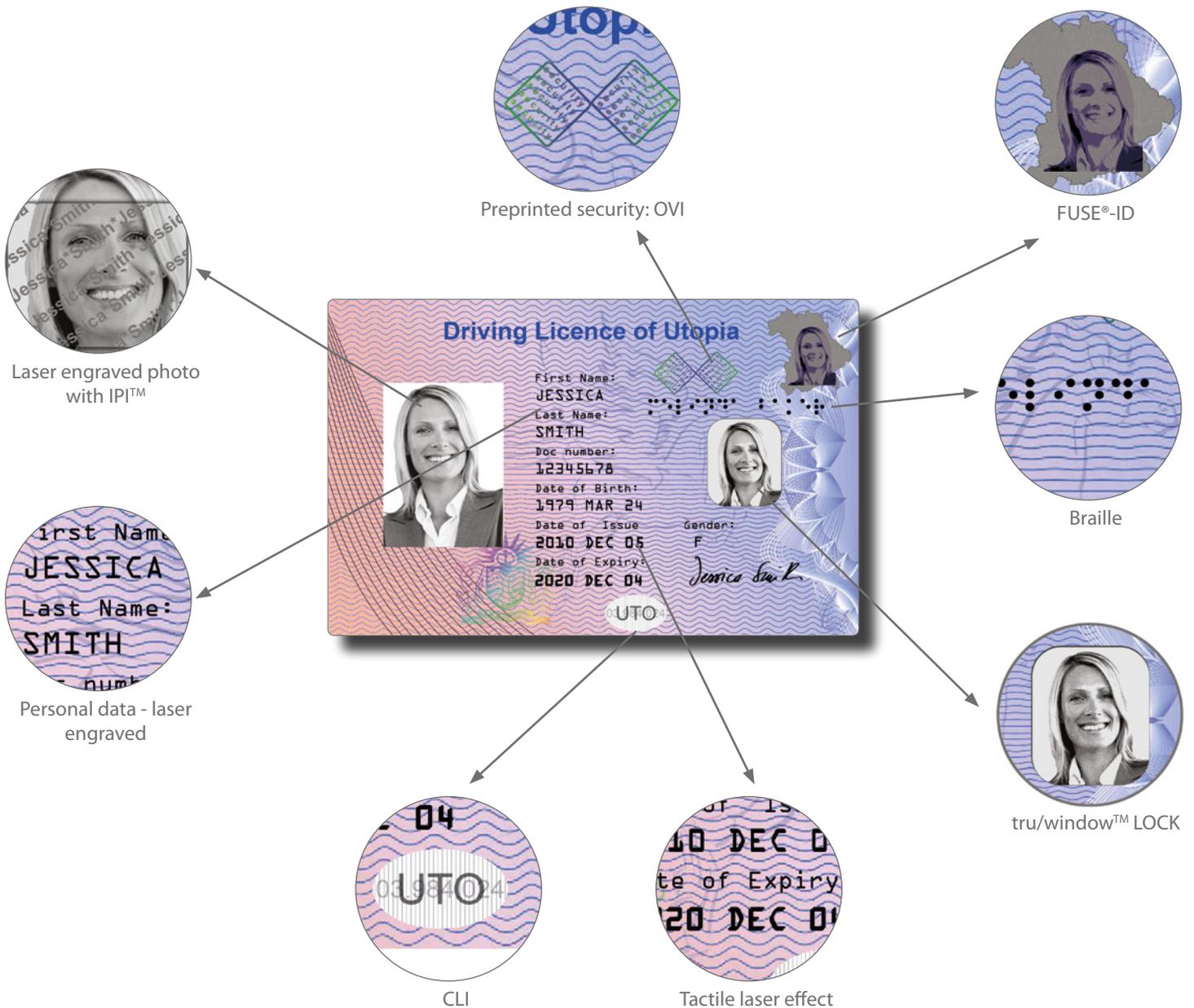
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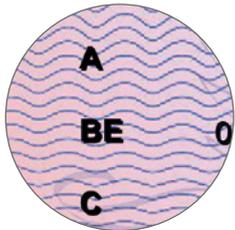
LASER ENGRAVING SYSTEM

# A NEW MILESTONE FOR REAL SECURITY

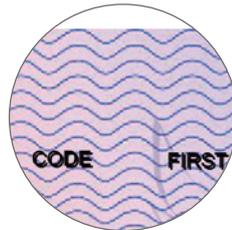
## EDISECURE® LES 9000 – UNIQUE COMBINATION OF SECURITY FEATURES

The LES 9000 combines several top-end security features to provide unrivalled protection against alteration, duplication and forgery. Depending on a customer's requirements, the system may be set up to create a range of security features and effects. See some samples below:





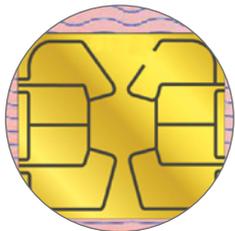
Tactile laser effect



Preprinted rainbow print



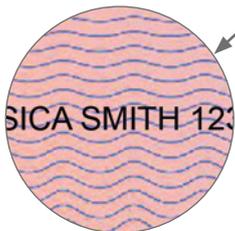
Ghost image with LetterScreen™



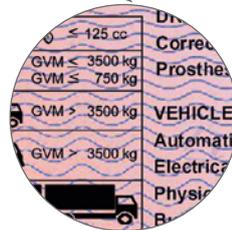
Contact or contactless chip



MLI with laser engraved image



Micro text



Laser engraved data



Laser engraved Barcode

IPI™ (Invisible Personal Information) and LetterScreen™ are trademarks of Jura JSP.  
 FUSE®-ID and LPI® are registered trademarks of G&D.  
 tru/window™ LOCK is a trademark of Trüb AG.



# LES9000

## CARD ISSUANCE SYSTEM

The *ED|secure*® LES9000 Laser Engraving System is ideal for high security corporate needs, as well as government applications such as national IDs and driver licenses. With its innovative assembly, the LES9000 allows the combination of an unrivaled variety of security features, such as the on-demand personalization of data as micro text, CLI and MLI, FUSE®-ID (by G&D), tru/window™ LOCK (by Trüb AG), tactile effects, electronic guilloche, and IPI™ (Invisible Personal Information) and LetterScreen™ (by Jura JSP), making credential forgery and manipulation all but impossible.

The Laser Engraving System also allows inline laser personalization of personal data and images on either card side, adding a higher level of security. Different encoding options such as magnetic stripe, as well as contact or contactless chip technology, can be utilized.

All card materials such as ABS, PET-G, PET/PC, PETix, and Polycarbonate can be personalized. The LES9000 allows for the fast, cost-effective production of highly secure credentials, with paramount flexibility in combining various security features, for an incredibly wide range of applications.

The *ED|secure*® LES9000 is a standalone system for black and white laser engraving only, and is equipped with a lockable card hopper for 350 cards and optional integrated encoders for magnetic stripe and smart cards.

### TECHNICAL SPECIFICATIONS

#### Laser Type

12 W air cooled DPSS laser source

#### Laser Safety Standard

Class 1 Module

#### Laser Engraving Speed

Up to 180 cards per hour laser engraving only, depending on card material, print density and card coverage of print data. Significantly higher speed for engraving of text only

#### Card Types

ABS, PET-G, PET/PC, PETix, and Polycarbonate Cards of ISO ID-1/CR-80 size, 85.60 x 53.98 mm

#### Input Hopper Capacity

350 cards (0.76 mm)

#### Output Hopper Capacity

100 cards (0.76 mm)

#### Interface

Ethernet LAN (USB for chip encoding)

#### Operating System Support

Complete print management software suite for users and developers as well as Microsoft® Windows printer driver for Windows XP, Windows Vista and Windows 7 (32 bit)

#### Dimensions

340 x 580 x 484 mm (WxDxH)

#### Weight

approx. 60 kg

#### Power Supply

90-240 V, 50/60 Hz, 800 VA,

#### Operating Environment

15°C to 30°C, 10% to 80% non-condensing humidity

#### Approvals

CE, cTUVus, FCC, WEEE