ruhlamat –
Personalisation in perfection

LASER ENGRAVING - GREY SCALE (BOTH SIDES)
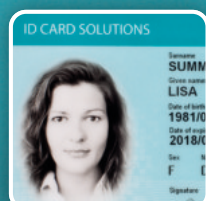
LASER ENGRAVING - MLI/CLI

CHIP ENCODING - CONTACT/ CONTACTLESS/DUAL INTERFACE

HD DOD INDUSTRIAL COLOUR PRINTING

CLEAR LASER ENGRAVING

CARD LAMINATION

❝ ruhlamat – the leading supplier of advanced solutions for smart card personalisation

ruhlamat is a leading supplier of advanced solutions for the personalisation and quality control of ID cards, bank cards, driver´s licences, health cards, transit passes, and commercial cards.
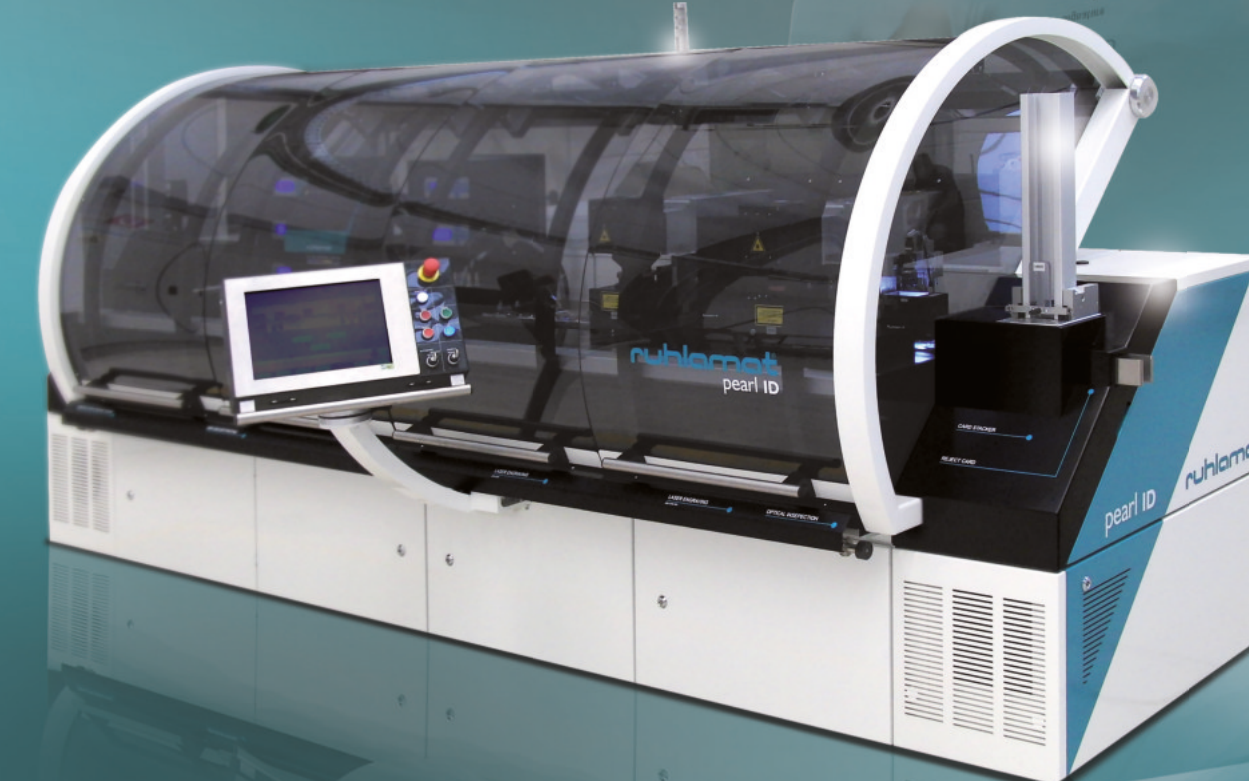
As experienced machine manufacturer, we do our very best to meet every customer requirement, no matter how unique or challenging. We develop and produce functional, affordable and scalable solutions, which ensure full compliance with the **ISO and ICAO standards**.

Our reliable, state-of-the-art solutions, as well as our unrivalled expertise, has resulted in various successful project installations around the world.

ruhlamat – customised machine solutions for

- ❯ Chip Module Production
- ❯ RFID Inlay Production
- ❯ Card Production
- ❯ Card Personalisation
- ❯ Card Quality Control
- ❯ Passport Personalisation
- ❯ Passport Quality Control
- ❯ Special Machinery

Smart Card Personalisation

ruhlamat – PowerPerso DLE
Desktop laser engraving of high secure ID cards

All-in-One Solution

High Quality Laser Marking

Compact Size, Low Noise

MLI, CLI, Chip Encoding

Locks Ensure Security

Eco-friendly, Easy Maintenance

PowerPerso DLE – the ideal solution for decentralised issuance of high secure ID cards, driver's licences, registration cards, and smart cards. The compact design, low weight and low noise make it perfect for office environments.
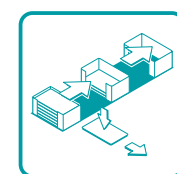
## ruhlamat – Pearl ID
Benchmark for smart card personalisation
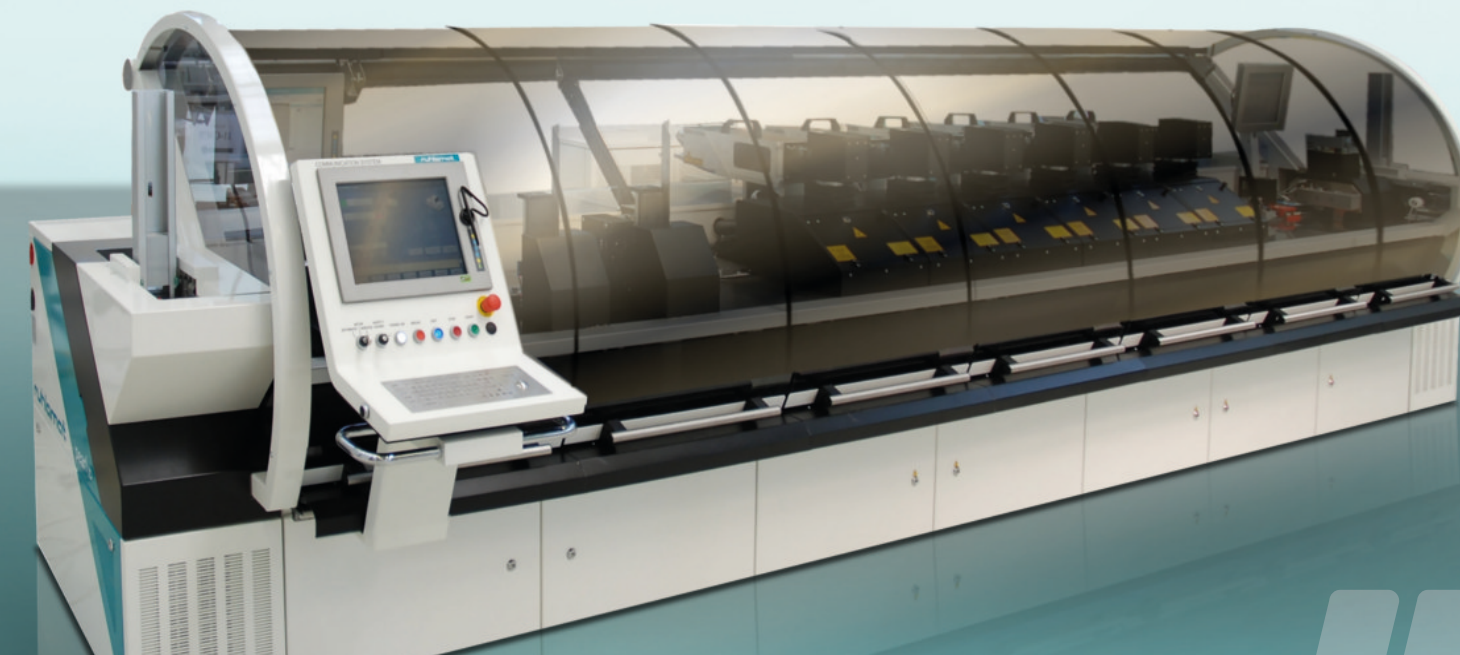
Pearl ID – the ruhlamat solution for all kind of personalisation tasks in the smart card sector combines innovative design with proven technology modules. That allows a flexible configuration whatever the detailed needs for the respective ID card are.
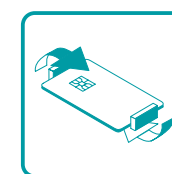
Up to 6 laser stations

Automatic card handling

FEEDER/ STACKER
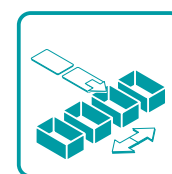
REJECT

CARD FLIP OVER

Personalisation & inline quality control
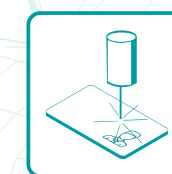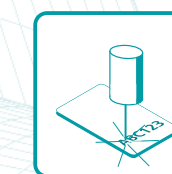
HD DOD PRINTING - COLOUR/ MONOCHROME
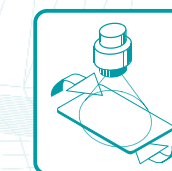
LASER ENGRAVING - GREY SCALE

LASER ENGRAVING – MLI/CLI

CLEAR LASER ENGRAVING
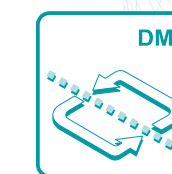
LASER MICROPERFORATION
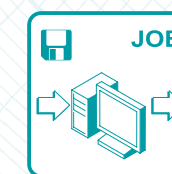
CARD LAMINATION

ENCODING TOWER UP TO 2X12 HEADS

OPTICAL IDENTIFICATION/ MEASUREMENT/ VERIFICATION

Software packages

DMS

PERSONALISATION DATA MANAGEMENT SYSTEM

JOB

JOB CREATOR

PersoDLL
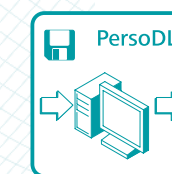
CHIP ENCODING PLATFORM

PersoDLL SDK

SOFTWARE DEVELOPMENT KIT

AaBb
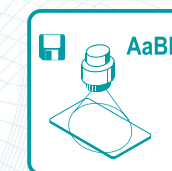
SOFTWARE FOR OPTICAL VERIFICATION/ RECOGNITION
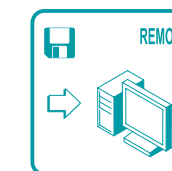
REMOTE

REMOTE MAINTENANCE SERVICE

Benefits and features:

> Contact, contactless or combined dual interface chip loading in one encoding tower

> Drop on Demand high-speed colour printing, laser engraving or a combination of both technologies

> MLI, CLI and a variety of inline optical inspection systems are the major building blocks for a customised and efficient configuration of your Pearl ID