ruhlamat | MACK GROUP
solutions for your needs.

Smart Card Personalisation

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 require-ment, no matter how unique or challenging. We develop and produce functional, affordable and scalable solutions, which ensure full compliance with the ISO 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 Personalisation

> Card Quality Control
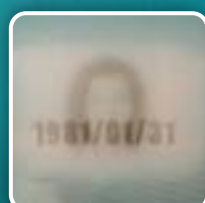
> Passport Personalisation

> Passport Quality Control

> Special Machinery

LASER ENGRAVING -
GREY SCALE (BOTH SIDES)

LASER ENGRAVING - MLI / CLI

CHIP ENCODING - CONTACT /
CONTACTLESS / DUAL INTERFACE
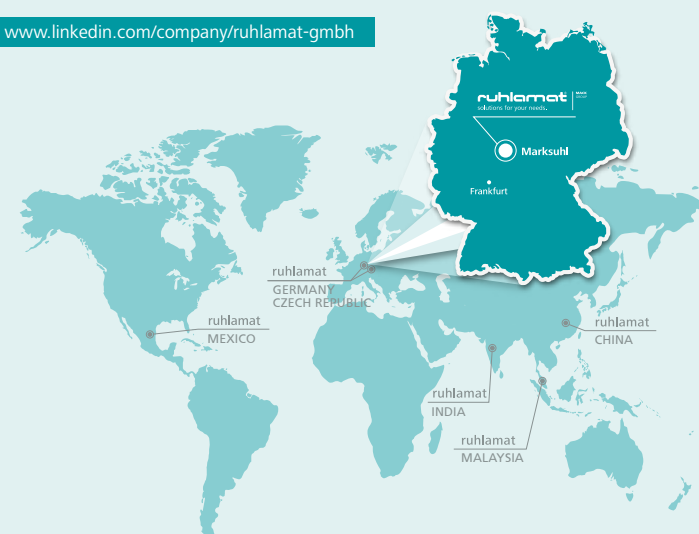
HD DOD INDUSTRIAL
COLOUR PRINTING

CLEAR LASER ENGRAVING

CARD LAMINATION

ruhlamat 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.
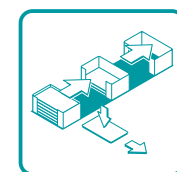
ruhlamat Pearl ID
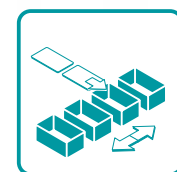### Benchmark for smart card personalisation

"Up to 6 laser stations.

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.
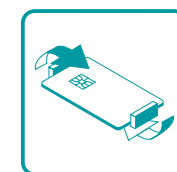
Automatic card handling

FEEDER / STACKER	REJECT	CARD FLIP OVER

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

Personalisation & inline quality control

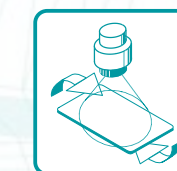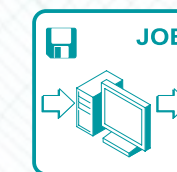|			
HD DOD PRINTING - COLOUR / MONOCHROME	LASER ENGRAVING - GREY SCALE	LASER ENGRAVING – MLI / CLI	CLEAR LASER ENGRAVING
LASER MICROPERFORATION	CARD LAMINATION	ENCODING TOWER UP TO 2X12 HEADS	OPTICAL IDENTIFICATION / MEASUREMENT / VERIFICATION

Software packages
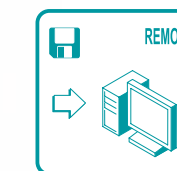
DMS	JOB	PersoDLL
PERSONALISATION DATA MANAGEMENT SYSTEM	JOB CREATOR	CHIP ENCODING PLATFORM
PersoDLL SDK	AaBb	REMOTE
SOFTWARE DEVELOPMENT KIT	SOFTWARE FOR OPTICAL VERIFICATION / RECOGNITION	REMOTE MAINTENANCE SERVICE