Universal Coding System

With Scanning and Laser functions

Maximum flexibility

with various modules

CS-LASER

OEM
ANALYSIS/ QS
PRODUCTION
DESKTOP
ACCESSORIES

RINAS LASER

TECHNICAL DATA

RINAS CS-LASER – MODULAR CODING SYSTEM FOR VERSATILE MATERIALS

The RINAS CS-Laser system offers a scalable solution for encoding and labeling cards made from materials such as polymers, wood, and metal. The modular design allows for flexible customization with one or two laser units to meet specific requirements, including a configuration with 1x or 2x personalization modules. The integrated flip unit enables double-sided card processing in a single pass, enhancing efficiency.

Designed for ID-1 cards (standard format), the system supports RFID-encoding,
magnetic encoding according to ISO7811 and contact chip encoding.
Precise optical markings can be defined using a layout editor. Maintenance is minimal, primarily involving cleaning and removal of laser residue, which can be conducted by the customer through regular cleaning and suction.

Power is supplied via a 24VDC plug-in power supply, while the additional power requirements of the laser units (230VAC) are efficient, making the system an eco-friendly alternative.

The system offers comprehensive interface options for seamless integration into existing production workflows. Data input can be provided either via CSV files or directly from customer databases, offering high flexibility. With its compact design, modular expandability, and specific adaptability, the CS-Laser is an innovative and efficient solution for card personalization.

Card Parameters

card size
- length: 85,7 mm
- width: 54,0 mm

card thickness
- 0,5 mm to 1,2 mm

card types
- all colors
- transparent cards

Coding and Accessory Parameters

magnetic stripe
- LOCO: up to 3 tracks
- HICO: up to 3 tracks
- 300 Oe to 4.000 Oe

magnetic stripe placement
- bottom right

standards
- ISO 7811, JIS, Visa Mini Card, AAMVA

encoding
- free bit encoding
- customizable

RFID
- Mifare/Legic etc. (reader dependent)

chip
- rinas contact unit (customer dependent)

scanner
For data capture or laser data verification
- barcodes (common types)
- matrix-code (common types)
- OCR-reading

laser module
- monochrome
- laser size ID-1
- media: plastic, wood, metal
- laser speed depending on data volume

Machine Parameters

HICO/LOCO throughput
- approx. 2,400 cph

dimensions L/B/H (mm)
- configurable starting from 1000 x 800 x 1700

control
- 1x USB
- 4x digital outputs
- 4x digital inputs

power
- 230V AC for laser
- +24VDC (160W) machine

capacity (0.76mm)
- feeder: 500 cards
- stacker: 500 cards
- other sizes optional

weight
- starting at approx. 80kg

maintenance times
- cleaning depending on medium used

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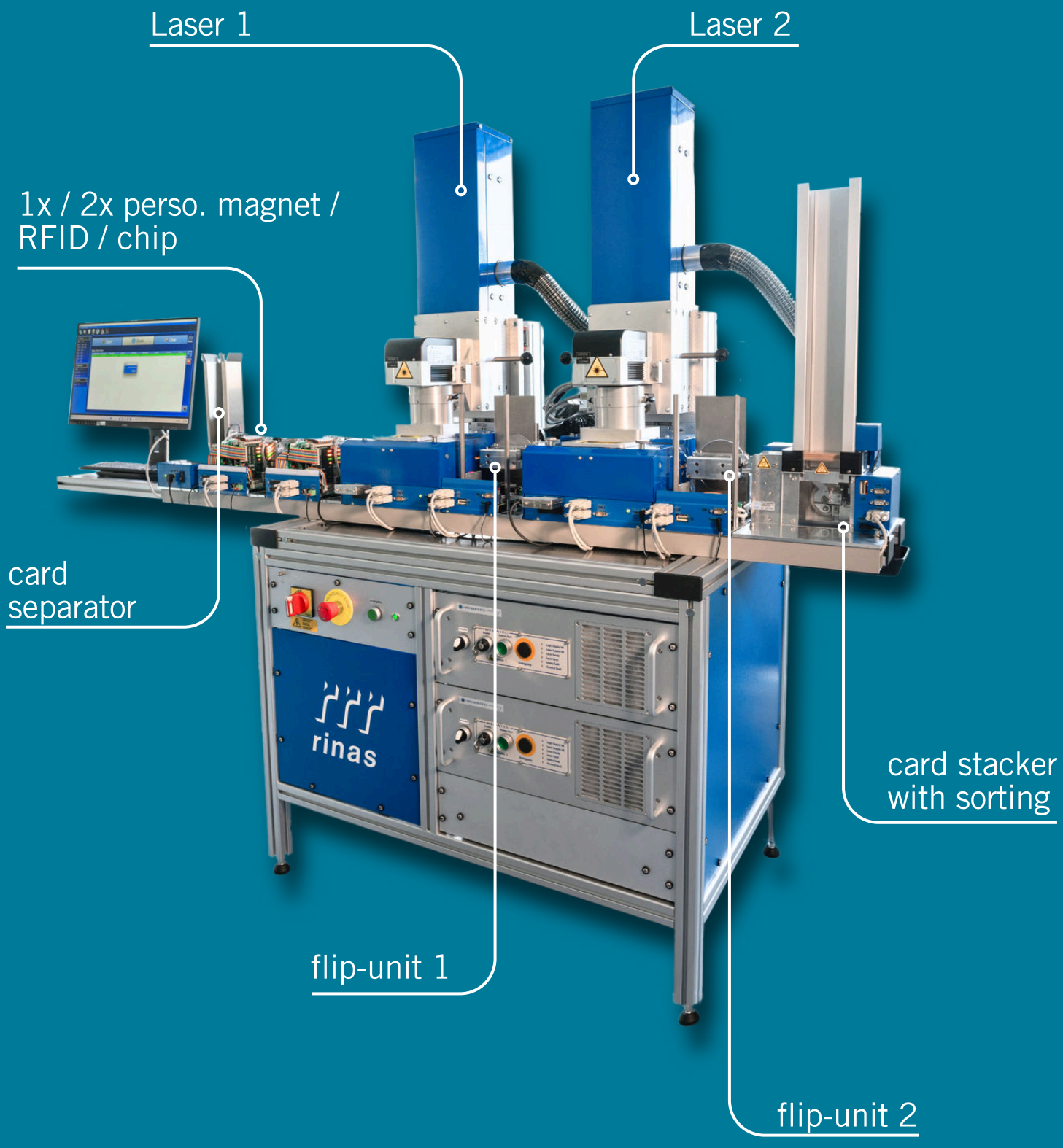
RINAS CS-LASER



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A trustworthy relationship with our customers is our philosophy.

With our extensive expertise, we can incorporate customer wishes and requirements down to the smallest detail into our product development and implement them successfully.

rinas

Whatever you need

You will hardly find anyone who understands card encoding technology better than we do.

This exceptional expertise forms the basis for our second major strength: the development of customized hardware and software for production, OEM, quality assurance, and service.

So, whatever you want or need, talk to us.

We will find the perfect solution for your individual requirements.

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