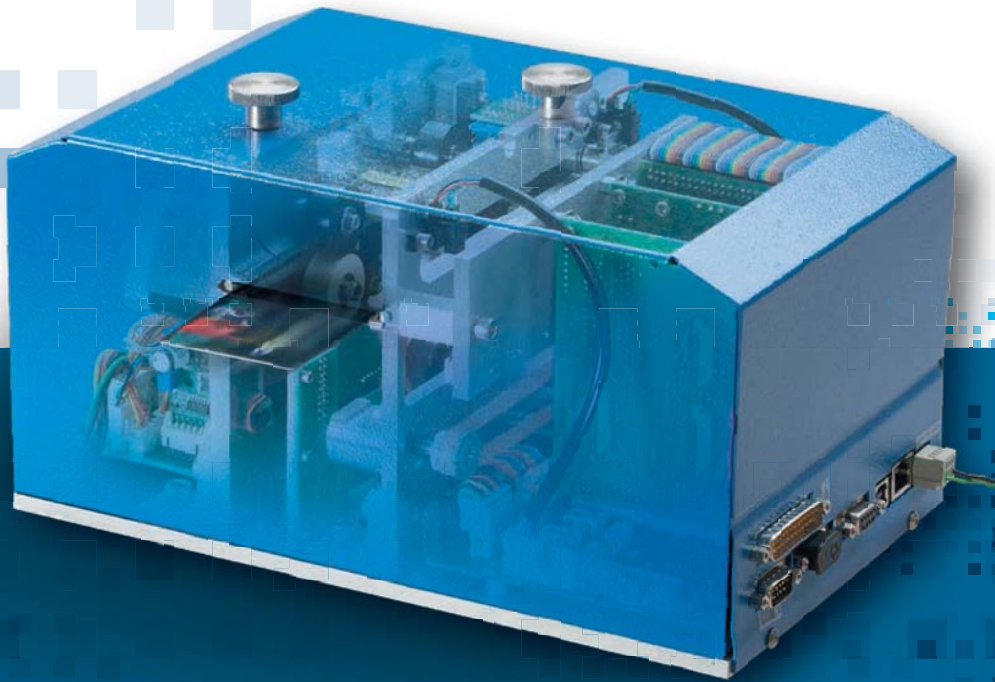# Universal Card Encoding

rinas

LWR

RFID, Magstripe and Smart Cards
all personalized in one single unit

OEM
QUALITY ASSURANCE
PRODUCTION
DESKTOP
ACCESSORIES

RINAS LWR

RINAS LWR – UNIVERSAL CARD ENCODER FOR RFID, MAGSTRIPE AND SMART CARDS

This encoder can personalize and read all three different types of card, and besides its unique universal function, the card manufacturing industry is presented with a modular unit with an as yet unsurpassed encoding quality and of exceptional durability. In short, it is a unit that satisfies even the highest of demands.

The LWR is ideally suited to smaller personalization stations

The robust yet precision construction of the LWR provides easy access to the unit for component exchange that follows a "think green" code of conduct.

With a clear focus on professional personalization stations, the LWR processes all three tracks of standard credit card sized (paper and plastic) magnetic stripe cards up to 2,900 cards per hour, and provides both HICO and LOCO functionality. The encoded cards can be either continually fed through the device or returned via the input slot.

An optionally available magnetic head withdrawal function enables RFID or Smart Card processing without unnecessary magnetic head wear. All the necessary components can be integrated and present within the same unit at the same time.
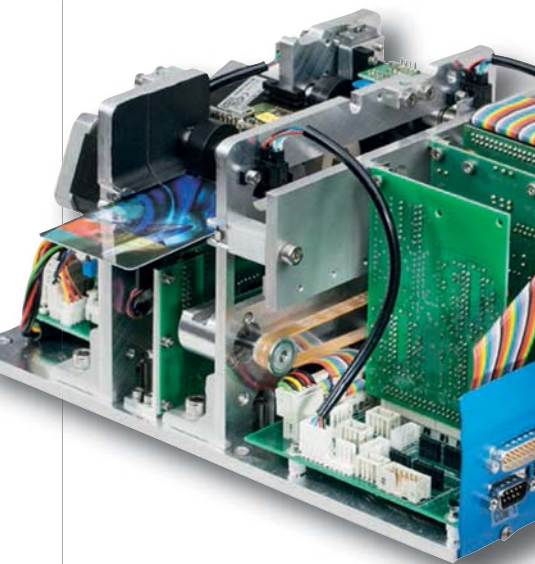
RFID encoding

The LWR has provision for an RFID antenna measuring 50 mm x 50 mm, which can be height adjusted between 5 mm and 15 mm. An optimum distance between RFID card and antenna is therefore easily accomplished.

Smart Card encoding

The individually sprung chip contact pins are lowered by a motor, which solves the problems associated with prolonged contact times. Many contact forms are recognised, such as round, pointed, or wafer-shaped, for example. Using contact pins with adaptable spring force satisfy a wealth of combination possibilities, and certainly fulfil your expectations.

Encoding procedure for RFID and Smart Cards

The LWR positions the card and sets an output signal. Customer-specific software then begins the encoding process, which when complete, sends a card-eject signal to the LWR.

Encoding Parameters

Magnetic Stripe	Standards	Encoding
■ LOCO: Up to 3 tracks	■ ISO 7811	■ Free bit encoding
■ HICO: Up to 3 tracks	■ JIS	■ Customized
■ 300 Oe to 4,000 Oe	■ Visa Mini Card	
	■ AAMVA (US driver's licence)	

Card Parameters

Card Dimensions	Card Thickness	Card Types
■ Length: 85.7 mm	■ 0.6 mm to 1.1 mm	■ All colours
■ Width: 54.0 mm	■ 0.25 mm to 0.6 mm	■ Transparent cards
■ Other sizes on request		■ Embossed cards

Equipment Parameters

HICO/LOCO Volume	Service Times	Control	Unit Dimensions (mm)
■ Available throughputs: 1,500/2,400/2,900 cards per hour	■ Head replacement < 15 min.	■ 1x RS232	■ L/W/H: 175/285/160
	■ Transport wheel exchange < 20 min.	■ 5x Digital outputs	**Weight**
Magstripe Location		■ 6x Digital inputs	■ Approx. 5 kg
■ Bottom right		**Power**	
		■ +24V DC	