

# REA-JET HR

The coding and marking system based on HP-Print Technology





# The most innovative coding system of its class

*"What you should know about the new REA-JET HR"*

## The Controller

### Practical handling

- Easily accessible USB connection (e.g. for transferring print data or to update the equipment)
- Single orientation plug connectors
- Universal attachment options

**Your advantages: Uncomplicated and safe installation and start-up.**

### Simple and intuitive operation

- High-contrast, full-colour graphics display with a diagonal of approx. 14.4 cm (5.7") with high brightness
- Jog dial as the central operating element
- Graphical user interface
- Direct assistance for every function over a separate "Help" key

**Your advantages: Enables fast learning of the operation, reduced training periods, avoidance of operator errors.**

### Robust industrial construction

- Sturdy stainless steel housing
- Environmental class IP65
- All plug-in connections with protective caps
- Compact design

**Your advantages: High plant availability, reliability and longevity.**

### Future proofed technology

- Print data is exchanged in the XML format
- Use of the million fold established HP TIJ (Thermal Ink jet) technology
- Maintenance-free equipment technology

**Your advantages: High investment security and short amortization periods.**

### Key points for equipment manufacturers (OEM)

- Ethernet connection port is standard
- The REA JET HR has 6 digital inputs and 4 digital outputs
- The four digital outputs supply 24V DC with max. 250 mA each
- The system is based on the Unicode character set - the most state-specific character sets demanded world-wide are thus already installed as standard

**Your advantages: Simple, fast and economical integration.**

Inkjet  
Technology by   
invent

### Simple to integrate

- The innovative design for the fixing point allows easy installation in any position with only one support bracket.
- Short design of the print head with only 176 mm of length
- Rugged pantograph for automatic distance compensation with different product position which can be adjusted easily (e.g. with bags and simple cardboard boxes...)
- Product sensor integrated into the print head - no separate cables

**Your advantages: Effective and universal mounting of the print head.**

### Highest working reliability

- The locking lever for the cartridge is equipped with wear-free electronic monitoring. Thereby the pen driver board for the cartridge will be de-energized immediately when opening this locking lever. The destruction of the pen driver board by an inappropriate cartridge change is thus almost impossible.
- The integrated optical product sensor has an additional signal output. With this output the operator is made aware far before the loss of the trigger pulse due to high contamination of the sensor (e.g. in dusty production environment).
- The REA-JET HR with "chip" equipped cartridges stores the current ink level in the chip. No more products without coding.
- Automatic adjustment of the operating parameters for the cartridge by the controller due to the ink data saved in the cartridge chip.

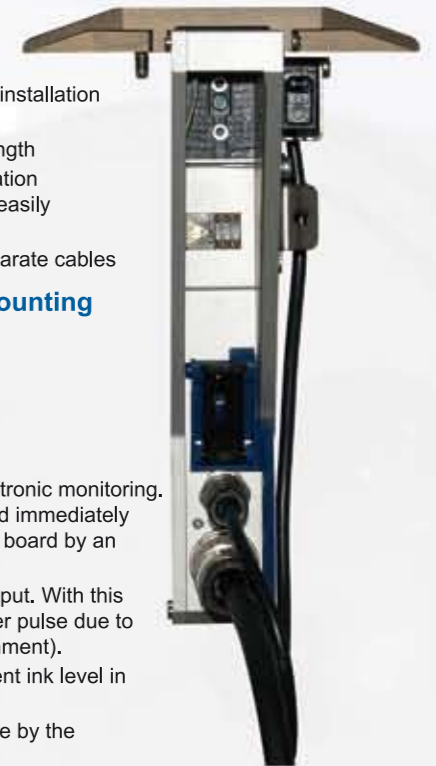
**Your advantages: Very high system availability by reducing losses caused by incorrect operation.**

## The Print Head

### Cost minimization

- For different print heights only one type of print head is necessary. The intelligent design of the print head allows cascading. Only different sliding plates need to be used.
- Only one support bracket in two lengths for variable assembly positions.

**Your advantages: Low stock keeping costs and flexible upgradeability.**



<b>Functions*</b>	Text - Objects	No limitation in number of objects, text length only limited by the layout length max. 10 objects per type per label
	Objects like: date, time, working shift code, counter, bitmap, barcode, 2D-Code	
<b>Print parameters</b>	max. Print height	25,4 mm (2 print heads, each 12.7 mm = ½")
	max. Print length	1000 mm layout length
	Printing speeds	30 to 306 m/min
	Vertical resolution	300 and 600 dpi
	Horizontal resolution	60 to 600 dpi in 16 steps: 60 dpi, 100 dpi, 120 dpi, 150 dpi, 180 dpi, 200 dpi, 220 dpi, 240 dpi, 260 dpi, 300 dpi, 360 dpi, 420 dpi, 450 dpi, 480 dpi, 540 dpi, 600 dpi
<b>Operation</b>	Display	14,4 cm (5.7") full colour graphic display, + direct status indication with 6 LEDs
	Input	Jog dial, five menu-dependent function keys, decimal key block, four cursor keys, keys ESC, DEL, OK ONE, Help, Alt, Menu and backspace
<b>Communication- interfaces</b>	RS232, Ethernet, USB	included
<b>PLC Connection</b>	Input	6 x 24V DC / PNP (rising edge switching)
	Output	4 x 24V DC / PNP, max. 250 mA each
	Shaft Encoder	Voltage 24V DC
	Bulk	Connection for an intelligent bulk System (max. 2 x 350ml Ink)
<b>Mechanical Data (Controller)</b>	Width x Depth x Height	30cm x 28cm x 14cm
	Weight	10 kg
	Environmental class	IP65
<b>Mains Power</b>	Voltage	95V to 250V AC
	Frequency	50 / 60 Hz

\* The availability of the individual functions depends on the available software status of the equipment!



**REA** Elektronik  
GmbH

Rationalisierung · Entwicklung · Automation  
Elektronische Geräte und Systeme

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