REA JET

INDUSTRIAL CODING AND
MARKING SOLUTIONS –
MADE IN GERMANY

REA JET HR

High-Resolution Coding and Marking System based on HP-Print Technology

Maintenance-Free Product Marking: High Resolution Inkjet Printers (HP)

HI-RES

The high resolution inkjet printers of the REA JET HR range with HP cartridge technology use thermal inkjet technology that has been tried and tested in millions of office printers.

The robust stainless-steel housing, intuitive operation and well-thought-out print head design of this coding and marking system make it fully suitable for industrial applications. The system has proven to be particularly suitable for the pharmaceutical, foodstuffs, wood, paper and packing sectors for markings with a print height of up to 12.7 mm per print head. Moreover, multiple print heads can be cascaded for greater print heights.

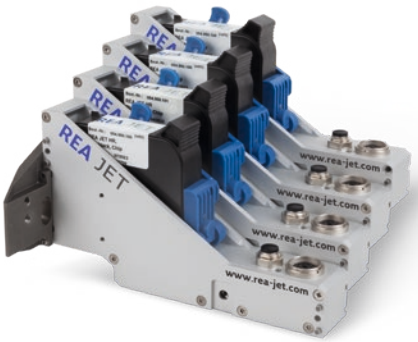
Thanks to its integrated Ethernet interface and full Unicode support, the HR printing system is the system of choice for serialization tasks and track & trace projects. Up to 50 serialized prints per second and 762 m/min make the HR system the fastest printing system in its class.

Advantages:

- Based of thermal ink jet technology (TIJ), which already has proven itself million times over
- Extremely high resolution at high product speed
- Simple assembly of print head and controller thanks to compact design and mounting flange
- Print height up to 50.8 mm
- Maintenance-free – you receive a new print unit with each cartridge change
- Highest level of operational reliability and availability thanks to:
  - Monitoring of cartridge locking
  - Permanent storage of cartridge levels
  - Automatic adjustment of operating parameters for the ink used
- Intuitive graphical user guidance
- Fast cartridge change
- Control via REA JET TITAN Platform
- Simple transfer of print data using USB scanner
- Optional bulk system for uninterrupted printing at high throughput rates
- Optional equipment, such as industrial-suited distance compensation devices for different product positions during the printing process
- Qualitative verification of code quality in one process with REA VERIFIER verification devices

Areas of application:

- Counterfeit protection and traceability
- Perfectly suited for serialization as well as track & trace tasks
- For absorbent and non-absorbent surfaces
- Alphanumeric texts, barcodes, 2D codes (e.g. Data Matrix codes) and logos
- Variable data such as date, time, counter, shift code, database contents
- Highest print resolution of up to 600 dpi, configurable in 16 levels



HR Print Heads

REA JET Ink Cartridges

Loftware NiceLabel **Compatibility: transfer of Loftware NiceLabel print layouts using REA JET's own printer drivers.**

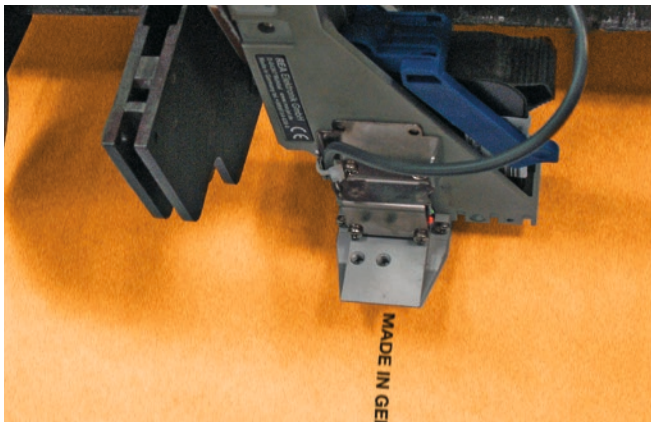
Inkjet Technology by hp

Technical Data Overview

	REA JET HR 2K	REA JET HR 4K
Dimensions (W/D/H) / Weight	308 x 160 x 287 mm / 8.7 kg	356 x 163 x 286 mm / 9.1 kg
Protection class of the housing	IP65	IP65
Max. connectable print heads	2	4
Max. font height	25.4 mm / 2 print heads 12.7 mm	50.8 mm / 4 print heads12.7 mm
Vertical resolution	300 and 600 dpi	300 and 600 dpi
Horizontal resolution	60 bis 600 dpi in 16 levels	60 bis 600 dpi in 16 levels
Printing speed	38 bis 762 m/min	38 bis 762 m/min
Max. print length	1330 m layout length	1330 m layout length
Digital inputs (24 V DC)	6 / high switching	12 / high switching
Digital outputs (24 V DC)	4 / high switching	8 / high switching
Interface	Ethernet, USB	Ethernet, USB
Power supply	95 V to 240 V AC	95 V bis 240 V AC
Device display	Full color graphic display - diagonal of approx. 14.4 cm	
Webserver	yes	yes
VNC	yes	yes
TITAN Platform	yes	yes

Marking of wood

Marking of flour bags



Coding and marking of fleeces

Coding of plastic profile plates

REA JET

REA JET HR – Controller

- Wide range power supply only one device version for all countries
- Full Unicode support: all world languages can be printed for companies with international customers
- XML-based data structure and communication protocol: globally used standard for data compatibility
- Integrated VNC server: remote maintenance tool for diagnosis and help if needed
- Standard, cross-device communication protocol for status monitoring enables customer-specific signal processing
- Integrated web server enables operation of printing system via PC, tablet or smartphone
- Ready for Industrie 4.0

Immediately deployable worldwide

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HR Controller for up to four print heads

HR Controller for up to two print heads

REA JET TITAN Platform:

The most modern, single operating concept for all REA JET technologies

Operation with gloves
Central push-turn jog-dial knob for operation with gloves directly on the production line

PC operation
Remote control using a PC workstation or production control station via network

Touch operation
Touch-sensitive screen for operation directly on the production line

Remote maintenance
Option for remote maintenance and operation via VNC server

WLAN browser operation
Browser operation using mobile devices (PC, tablet or smartphone) via WLAN / WebGUI

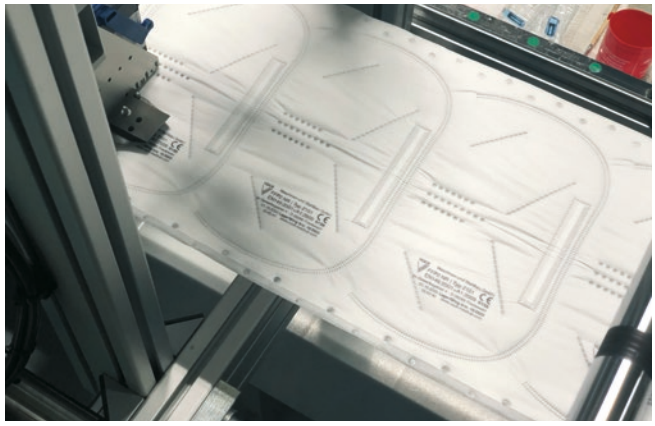
Keyboard input
For recurrent, large text entries on the production line, international USB keyboards can be used

UDI marking of packaging material

Two-colored marking of foil

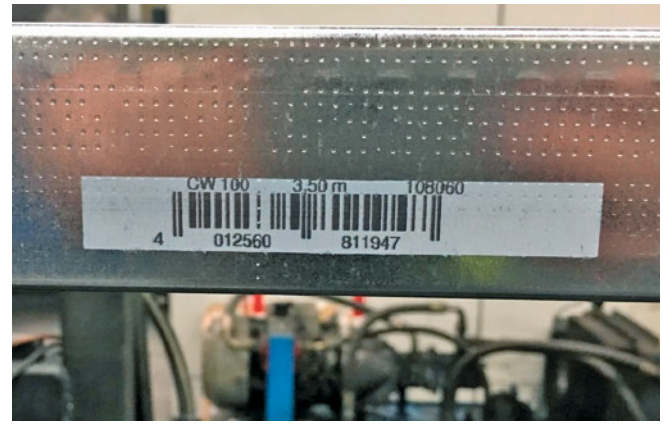
Coding and marking of laminate

Best before label marking


Multi-line marking of FFP2 masks

Marking cardboard boxes with barcodes

Direct marking with the EU plant passport



Direct print of codes in colored field

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