

# 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)



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 Uni-code 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:

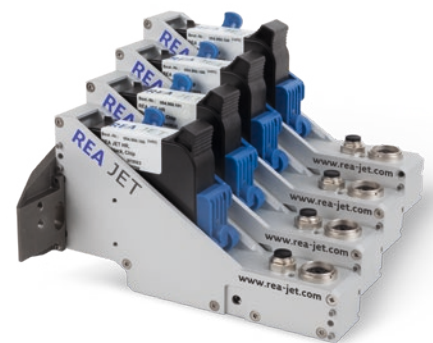
- Based of thermal ink jet technology (TIJ), which already has proven itself million times over
- Extremely high resolution at high product speed
- Simple assembly of print head and controller thanks to compact design and mounting flange
- Print height up to 50.8 mm
- Maintenance-free – you receive a 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



REA JET Ink Cartridges



HR Print Heads



# Technical Data Overview

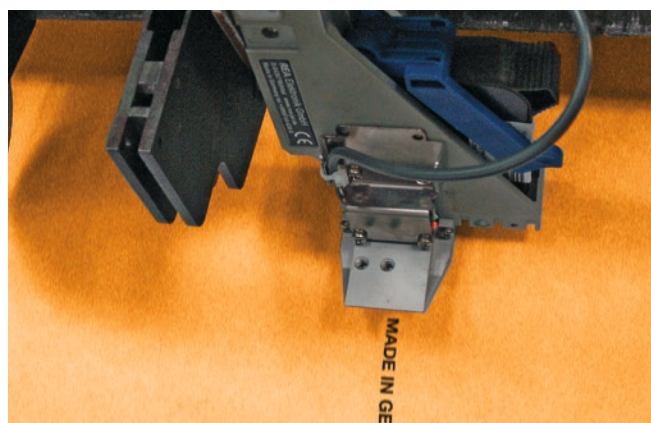
	REA JET HR 2K	REA JET HR 4K
Dimensions (W/D/H) / Weight	308x160x287 mm / 8.7 kg	356x163x286 mm / 9.1 kg
Protection class of the housing	IP65	IP65
Max. connectable print heads	2	4
Max. font height	25.4 mm / 2 print heads 12.7 mm	50.8 mm / 4 print heads 12.7 mm
Vertical resolution	300 and 600 dpi	300 and 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 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



HR Controller for up to four print heads

## Immediately deployable worldwide

- 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: standard for data compatibility
- Integrated VNC server: remote maintenance tool for diagnosis and help if needed
- Standard communication protocol for status monitoring that is suitable for all devices and enables customer-specific signal processing
- Integrated web server enables operation of printing system via PC, tablet or smartphone
- Ready for Industrie 4.0



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



### Touch operation

Touch-sensitive screen for operation directly on the production line



### WLAN browser operation

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



### PC operation

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



### Remote maintenance

Option for remote maintenance and operation via VNC server



### Keyboard input

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



UDI marking of packaging material



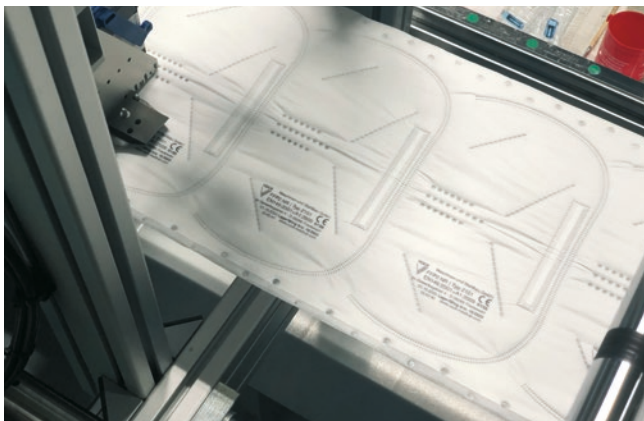
Two-colored marking of foil



Coding and marking of laminate



Best before label marking



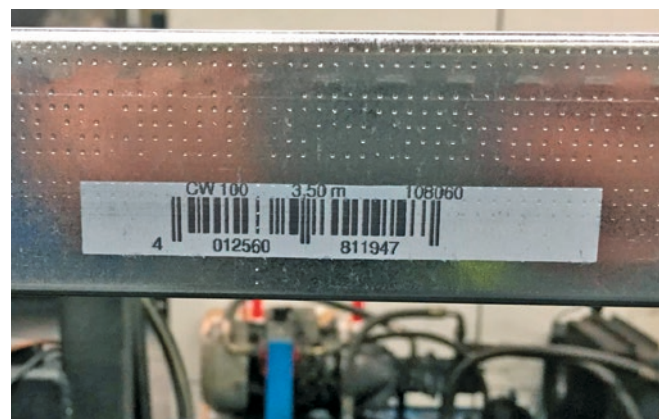
Multi-line marking of FFP2 masks



Marking cardboard boxes with barcodes



Direct marking with the EU plant passport



Direct print of codes in colored field

# REA JET



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