

# REA JET

INDUSTRIAL CODING AND  
MARKING SOLUTIONS -  
MADE IN GERMANY

**Integration-Friendly Coding and Marking Systems**  
Solutions for Machine and Systems Engineering



# Secure Competitive Advantages by Integrating Innovative Coding and Marking Technologies



REA JET marking systems are the first choice for machine and systems builders. They are sturdy, long-lived, technologically advanced and integrate easily into machines and systems.

REA JET's particular strengths are the fast, flexible response to customer demands. The high resolution inkjet printer of the HR family and the CO<sub>2</sub> Laser demonstrate this especially with their standardized operation and standardized communication interface. The communication protocol and the control commands of both REA JET units are identical. HP-based thermal inkjet printers and CO<sub>2</sub> Laser systems can be activated with one and the same program module. The communication module for controlling the marking systems through the machine control only has to be created once. This makes it easier on the system builder's software development department, helps to save costs and increases flexibility in the selection of marking technology. As a result of the XML-based data structure and communication, adapting the communication module of the machine is not mandatory in case of a software update to the marking systems.

The identical web server is available to the user on the units of both marking technologies. This enables simple operation of the units via any desired web browser through the integrated Ethernet interface. In addition to this, a VNC server is also integrated for simple remote maintenance. This also supports SSL-encrypted data transmission and thereby stands up to today's elevated security requirements.

With the REA LabelCreator software, the marking data (print layout/labels) are created for both systems. As a result software only has to be taught once.

The use of unicode makes the identification units immediately usable worldwide.

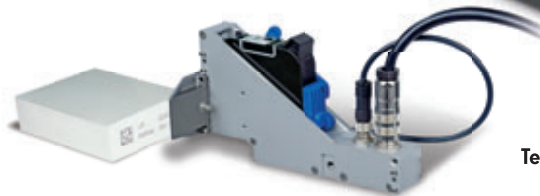
## Advantages of HP Print Technology: REA JET HR + HR *pro*

- simple assembly of the print head and controller through very compact design and universal mounting flange
- sturdy housing designed in stainless steel
- only one version of the unit for all countries due to wide range power supply
- printing height up to 50.8 mm
- suitable for absorbent and non-absorbent surfaces
- zero maintenance – you receive a new printing unit with every cartridge replacement
- greatest operating reliability and availability due to:
  - monitoring of cartridge lock
  - permanent storage of cartridge fill levels
  - automatic adjustment of operating parameters for inks used
  - graphical operator guidance

HR Controller



Print Head

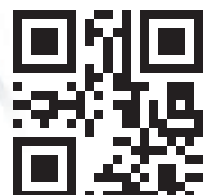
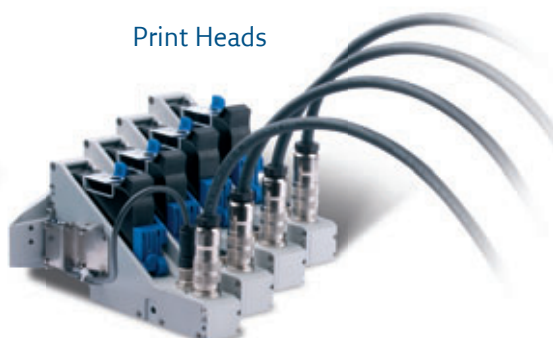


Inkjet  
Technology by  invent

HR *pro* Controller



Print Heads







## Advantages of CO<sub>2</sub> Laser: REA JET CL

- simplest mechanical integration through compact design and variable connection of print head
- highest printing speeds through digital mirror activation
- integrated pilot laser for simple setup of the system
- absolutely secure operation through sophisticated diagnostics systems
- developed and manufactured in Germany, direct access to all resources

CL Controller



Laser



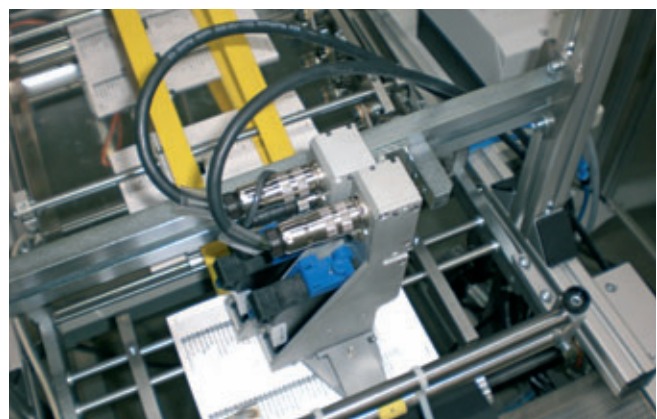
Laser marking of plastics



Cardboard box coding using DataMatrix Code



HR *pro* marking of paper boards



HR printer integrated in feeder

# REA JET



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