

# REA JET

INDUSTRIAL CODING AND  
MARKING SOLUTIONS -  
MADE IN GERMANY

## REA JET HR Automatic Bulk System

Ink supply system for solvent-based inks  
for Hi-Res Inkjet Printers



# Automatic ink supply system: Reducing costs for high print volumes



REA JET inks are known for their high print quality and excellent colorfastness. The high-quality features of durability, color range and operating safety are proven in the HR cartridge system.

For marking applications with high print volumes, we have designed an automatic bulk system for the REA JET HR Hi-Res inkjet printer that enables uninterrupted printing. The system makes sure that there is always enough ink in the cartridges.

## Continuous, uninterrupted supply of ink

The bulk tank contains 400 ml and feeds up to 4 bulk cartridges with ink.

The system pumps the ink directly to the bulk cartridges, where it creates the operating pressure required to supply the print head with the required amount of ink.

The fill level of the cartridges is queried in real time via a fill level sensor. The sensor is held on the bulk cartridge housing by 4 magnets. It communicates with the bulk system.

If the level falls below a threshold, it triggers the pump for refilling.

The refilling process is repeated until the fill level sensor reports "full". The status LEDs provide information about the current status with warning, error and service messages.

## Reducing costs for consumables and printing with greater environmental friendliness

The bulk cartridge has a chip attached that signals the REA JET HR controller when the cartridge needs to be replaced. A total of 400 ml of ink can be printed per cartridge.

This reduces the costs for consumables and makes the printing even more environmentally friendly.

## The system advantages:

- Greater than 35% lower ink costs owing to use of the automatic bulk system
- Amortization in almost no time
- Cost-effective large containers for large-scale production
- High print quality and excellent colorfastness
- Time saved since cartridge changes are no longer necessary
- Bulk system with 400 ml ink cartridge to minimize downtime of the machine and system
- Increased efficiency due to significantly reduced downtime of the production lines
- Automatic filling of the cartridge when its level is low
- High reliability of ink refilling
- Ink level sensor on the print head
- Continuous, uninterrupted supply of ink for extensive and unsupervised print jobs
- Easy assembly
- High print volume
- Significantly reduced operator intervention
- Sturdy stainless steel housing design



REA JET HR Automatic Bulk System:  
Front and rear view

## Technical data

- Power supply: 24 V power adapter
- Dimensions: 118.5 x 171 x 284 cm (width x height x depth)
- Weight: approx. 3.7 kg
- Ambient temperature: +5 °C - +40 °C
- Max. air humidity: 90%, non-condensing
- Sound level: < 70 dB(A)
- Bulk tank size: 400 ml
- Max. number of print heads: 4
- Assembly instruction: 15° inclination

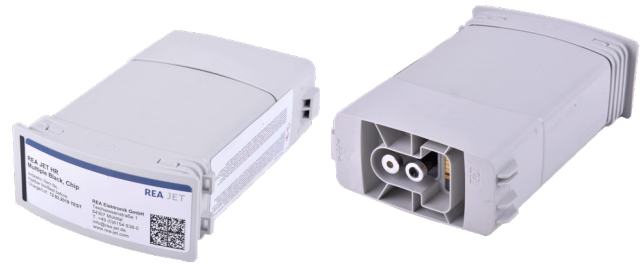


Bulk cartridges with fill level sensors

## Available inks

The automatic bulk system processes solvent-based inks.

Due to the short drying times and good adhesive properties, they are particularly suitable for printing on smooth materials such as plastic, glass and metal.



400 ml bulk tank



Marking foil in continuous flow



Uninterrupted marking of foils



Marking of mesh material



Marking of non-woven fabrics

# REA JET



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