# REA JET

## Marking bags made of paper and plastic

More flexibility and higher performance for bag printing

# Coding and marking solutions for bag printing

Paper and plastic bags are often marked under harsh and adverse ambient conditions such as vibrations, dust and temperature fluctuations.

REA JET DOD systems were designed specially for these difficult operating conditions. They produce high-contrast and perfectly legible markings on filled and unfilled bags made of paper and plastic, for example for construction materials, chemical additives, food, granulates, animal food, etc. with alphanumeric symbols, logos and codes.

For three decades, REA has been building large character inkjet printers which prove their worth all over the globe thank to their durability and reliability. We have once again considerably improved the quality and performance in the new generation, which is characterized by silver print heads.

Our customers profit from higher speed and lower wear.

**Advantages:**

- REA JET DOD technology with high performance print heads for all DOD systems
- Modular structure – individualized configuration to fit your requirements
- High reliability thanks to sturdy technology
- Resistant to harsh ambient conditions such as dirt, vibrations and temperature fluctuations.
- Easy integration into the existing production facilities as well as machines and systems (OEMs)
- Low printing and maintenance costs
- High availability

## DOD    REA JET DOD 2.0 – the all-rounder for highest demands    TITAN



### REA JET DOD 2.0
### Large character inkjet printer

The REA JET DOD 2.0 large character printing system is the first choice for modern bagging machines. The high end system is suitable for Industry 4.0 thanks to the future-proof interfaces. The intuitive REA JET TITAN Platform operating concept with the graphic user interface can also be operated via the integrated web server (remote maintenance). The REA JET DOD 2.0 stands for maximum large character performance under the most adverse ambient conditions in the digital age.

DOD 2.0 Brochure          DOD 2.0 Video          TITAN Video

## DOD    REA JET Standard – the proven DOD mid-class model



### REA JET Standard
### Large character inkjet printer

Compared to the REA JET DOD 2.0 the REA JET Standard offers sufficient functionality and flexibility for a large number of applications. It features the connection of several print heads, the use of pigmented inks and a serial interface for communication with external devices. In addition to alphanumeric data, it is also possible to print Data Matrix codes.

# REA JET LC – the entry level to the world of REA DOD

**REA JET LC**
**Large character inkjet printer**

The economically priced entry-level model of the REA JET large character inkjet printer systems. Available with 7- or 16 nozzle print heads. Suitable for simple applications, such as printing alphanumeric data such as the date, batch number or weight.

## Scope of the REA JET DOD large character printers

| | REA JET DOD 2.0 | REA JET Standard | REA JET LC |
|---|---|---|---|
| Compatible DOD 2.0 print heads | 7 nozzles<br>16 nozzles<br>32 nozzles | 7 nozzles<br>16 nozzles | 7 nozzles<br>16 nozzles |
| Number of print heads per controller | up to 64 x 7 nozzles<br>up to 32 x 16 nozzles<br>up to 16 x 32 nozzles | up to 2 x 16 nozzles<br>or<br>up to 4 x 7 nozzles | up to 2 x 7 nozzles<br>or<br>1 x 16 nozzles |
| Pigmented ink | ✔ | ✔ | ✘ |
| Communication with external data source | ✔<br>(Ethernet) | ✔<br>(serial) | ✘ |
| Printing of logos | ✔ | ✔ | ✔<br>up to 3 logos<br>(pre-installed at the factory) |
| Printing of 2D Data Matrix codes | ✔<br>(with 16 nozzles<br>or<br>32 nozzle print heads) | ✔<br>(with 16 nozzle print head) | ✘ |
| Max. product speed | 600 m/min | 300 m/min | 300 m/min |
| Operating concept REA JET TITAN Platform | ✔ | ✘ | ✘ |
| Operating languages (GUI) | 22 (status Q4/2020, can be extended as desired) | 3<br>(optional) | 1<br>(optional) |
| Printable languages | all world languages (Unicode) | 14 | 8 |
| Print heights per print head | 5 - 27 mm (7 nozzles)<br>5 - 67 mm (16 nozzles)<br>5 - 140 mm (32 nozzles) | 5 - 27 mm (7 nozzles)<br>5 - 67 mm (16 nozzles) | 5 - 27 mm (7 nozzles)<br>5 - 67 mm (16 nozzles) |

# Codes and small fonts in high resolution

If machine-readable codes and small fonts are required, we recommend the high-resolution REA JET HR inkjet system for suitable production environments (i.e. zero to minimum dust exposure).

It prints at the highest level of quality on foil and paper, on both absorbent and non-absorbent surfaces. And it is also completely maintenance-free and uses a minimal amount of ink.

REA JET DOD 2.0, REA JET HR and REA JET GK 2.0 are operated by the uniform REA JET TITAN Platform operating concept. That means the users only have to be trained once and can then work with any REA JET system from the TITAN family, which reduces the need for training in the company and makes staff deployment considerably easier.

## Advantages HR:

- HR systems are maintenance-free - you get a new printing unit each time the cartridge is changed
- High-resolution print ensures optimal legibility and code quality
- Extensive product range for machine manufacturers and users
- Newly-developed bulk system for low ink costs at high throughput

## Advantages GK 2.0:

- Print heights of 50 or 100 mm with only one print head
- Print heads cascadable for large print heights
- High-resolution, sharp-edged markings on absorbent surfaces

## REA JET HR
## High resolution inkjet printer

Maintenance-free coding and marking system based on the HP cartridge technology. Low ink consumption at print heights of up to 50 mm. The system reliably prints on bags and at high speed. Ideal for printing small texts or machine-readable codes. We offer food-grade ink especially for the food industry.

HR Brochure

HR Video

TITAN Video

## REA JET GK 2.0
## High resolution inkjet printer (Piezo)

Text, 1D/2D codes and images such as company logos or product images can be combined freely. A horizontal resolution of up to 1200 dpi ensures high print quality with excellent edge definition directly on the product.

GK 2.0 Brochure
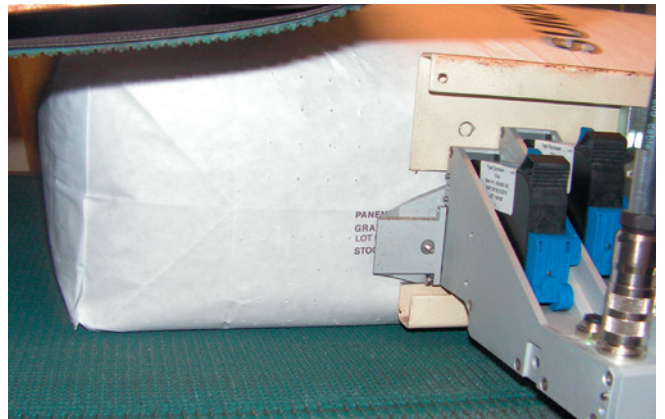
GK 2.0 Video

TITAN Video

Sidewise best-before-date marking with DOD


DOD marking of filled flour bags


Bag marking with 4 cascaded HR print heads


Bag marking with 2 cascaded HR print heads


Marking paper bags with GK 2.0


GK 2.0 - Detailed description on paper bags

## REA Service – your satisfaction is important to us

If you choose REA JET, you will not only get reliables printing systems, but also a wide range of services. So you can put 100% of your efforts into your daily business.

High-quality components and the training of your employees enable optimal marking processes and high system availability with minimal need for maintenance.

We react to your wishes quickly and flexibly and provide expert assistance without unnecessary bureaucracy.

Because: It is not only the quality of our products that makes us successful; your satisfaction is the important thing to us.

**Our consultants would be happy to assist you.**
**Give us a call – we're there for you! Phone +49 (0)6154 638-0**

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