

# REA JET

INDUSTRIAL CODING AND  
MARKING SOLUTIONS -  
MADE IN GERMANY

## REA JET UP

“Universal Print” High Resolution Inkjet Printer (piezo)



# REA JET UP – faster, higher contrast, more reliable

## Higher . farther . more innovative . better First-class direct printing at lower costs

The multi-talented REA JET UP (Universal Print) is a rugged high resolution inkjet printer based on piezo technology.

It marks without contact not only on absorbent surfaces such as paper, cardboard or wood. Even on smooth substrates such as painted and lacquered cardboard, it prints alphanumeric texts, 1D/2D codes, graphics, company logos or product images reliably and with high contrast.

With print heights of up to 108.37 mm and a resolution of up to 1500 dpi, even small characters are very legible. Cascaded print heads now print even larger variable data.

The first-class printing result leads to a very good code quality, which can be inspected with REA VERIFIER code verification systems.

## Innovative and patented ink recipe for smooth surfaces

With the REA JET UP, costs for label purchase, storage, printing and application can be reduced, even for difficult surfaces.

A variety of inks are available for marking: From oil and light solvent-based inks to UV-curable ones for surfaces where no other would dry.

A new ink recipe has been patented especially for high-resolution direct printing on smooth surfaces, which impresses with its high drying speed.

This means the REA JET UP ideal for secondary packaging that needs to be both attractive and informative.

## Faster and more reliable than all the others

Thanks to the new generation of print heads and circulating ink that prevents nozzle failure, the REA JET UP reliably delivers flawless print images even under harsh ambient conditions – at up to three times the speed of conventional technologies.

The rugged and at the same time compact device design allows for easy integration into any product line. It also makes it suitable for Industry 4.0, which is a matter of course for REA JET.



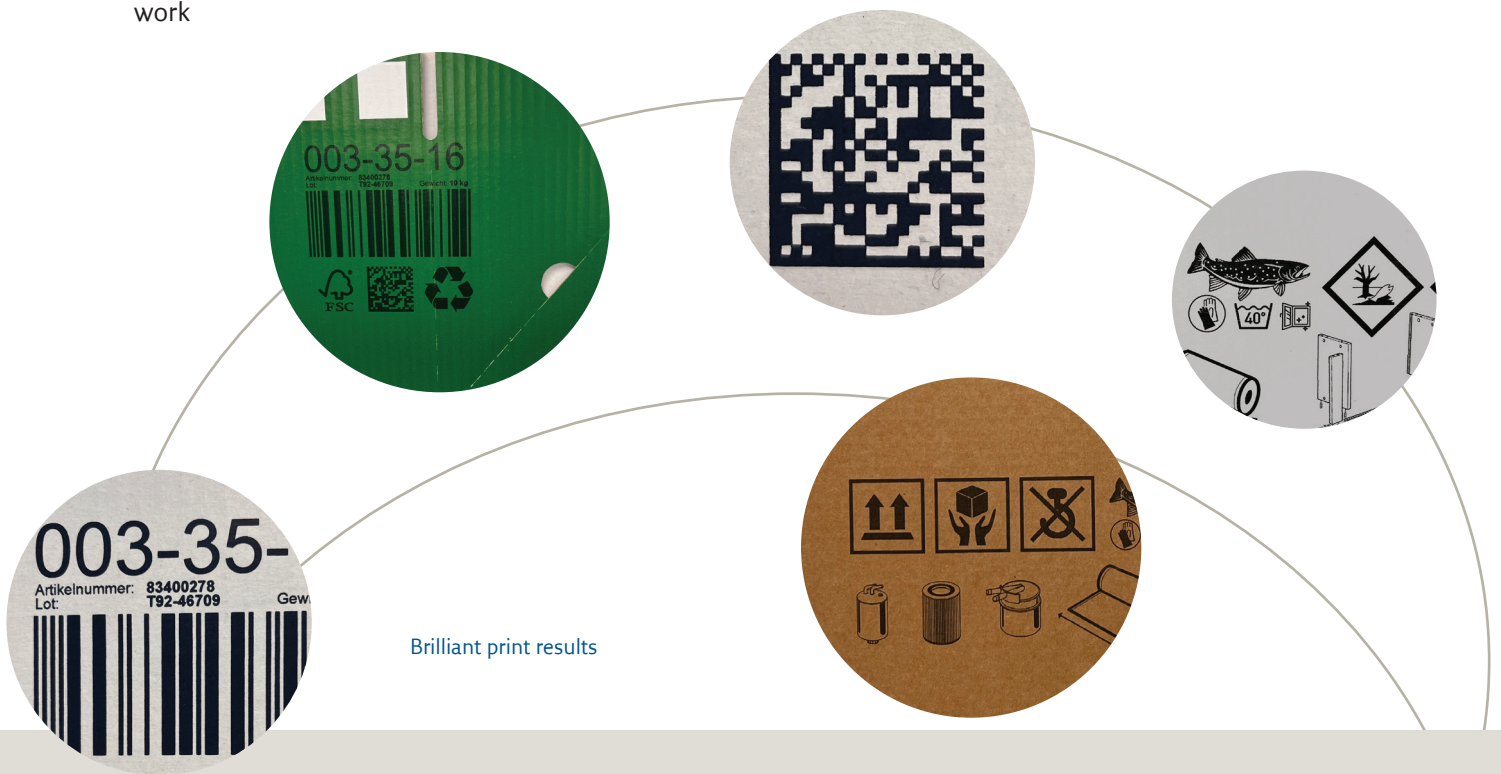
REA JET UP  
with Touch Controller and ink supply unit





## Functions and advantages at a glance

- Marking on absorbent, smooth, painted surfaces, regardless of the industry
- Compact and rugged solution for simple integration into production lines
- Large print heights of up to 108.37 mm for free-form print layouts
- Up to three times the speed compared to other systems
- High-contrast print results for very good first-pass reading rates
- High flexibility thanks to cascading of several print heads
- Flawless print images even under harsh ambient conditions at high speeds
- Low printing costs and reduction in maintenance work
- Innovative REA inks with high drying speed, UV-based, oil-based, light solvent-based, etc.
- No nozzle failure due to ink recirculation
- Ink can be refilled without interrupting the printing process
- Next generation: Newly developed recirculating ink supply unit with shatterproof glass tank and an integrated RFID reader that ensures the correct ink is used
- Cost savings thanks to direct printing compared to label storage, purchase, removal
- User-friendly and intuitive operation thanks to REA JET TITAN Platform



- € Saves time and money
- 💧 No more clogged nozzles
- 🌟 Clean print image
- 🔥 Brilliant contrast
- 📦 Rugged and compact design

- 🎯 High speeds
- 🔗 Easy integration
- ⚙️ Low maintenance and downtime
- ⚙️ Maximum flexibility
- ✅ Minimization of error sources

## Error-free and fast operation with the Universal controller

### Ready for immediate use worldwide

- Rotary pushbutton (for harsh ambient conditions)
- Flexible expansion: 2 or 4 print heads can be connected
- Sturdy, for harsh everyday industrial use constructed quality stainless steel housing
- Protection class IP65: Protected against dust and splash water for the toughest industrial conditions
- 24 V power supply: For direct integration into machines and systems
- Wide range power supply available: For immediate worldwide use
- Full Unicode support: All world languages can be printed for companies with international customers

- Support for all True Type Fonts (TTF): The greatest possible design freedom for the print texts
- Integrated WYSIWYG graphical user interface: Realistic display of the print contents
- XML-based data structure and communication protocol: Globally used standard for data compatibility
- Uniform communication protocol for status monitoring across multiple devices, providing the option for customer-specific signal processing
- Integrated web server: Makes it possible to use a PC, tablet or smartphone for operation of the printing system



REA JET Universal Controller



REA JET Universal Controller Touch

### REA JET Universal Controller Touch

The rugged REA JET TITAN Touch Controller is used as an alternative to the rotary push controller. The device is operated entirely via the large, easy-to-read industrial 10.1 inch touch display. Operators can even keep their gloves on when controlling their coding and marking systems with the modern, tile-based user interface, which can be individually expanded and restricted.

The design of the stainless steel housing offers little room for dirt and can even be used in harsh environments.

## Technical data

System	REA JET UP
Printing technology	Piezo
Max. marking height	Up to 108.37 mm per print head
Vertical resolution	Up to 360 dpi
Horizontal resolution	Up to 1500 dpi
Print head dimensions (W/D/H)	95 mm x 180 mm x 192 mm
Print head weight	2.48 kg
Ink supply unit dimensions (L/W/H)	292 x 235 x 357 mm
Ink supply unit weight (without ink)	9.2 kg
Ink supply unit protection class	IP23



Ink supply unit  
With print head

Controller	REA JET Universal Controller 2K	REA JET Universal Controller Touch 4K
Operation	Rotary pushbutton (for harsh ambient conditions)	Touch (individually expandable and restrictable user interface)
Display	5.7" display	10.1" touch display
Max. number of print heads that can be connected	2	4
Interfaces	Ethernet 1 Gbit 3x USB	Ethernet 1 Gbit 3x USB
Digital inputs 24 V DC	6 digital inputs	6 digital inputs
Digital outputs 24 V DC	4 digital outputs	4 digital outputs
Protection class	IP65	IP65
Power supply	24V DC from SELV power supply External power supply IP67 (100–277 V AC, 50/60 Hz)	24V DC from SELV power supply External power supply IP67 (100–277 V AC, 50/60 Hz)
Weight	3900 g	6000 g
Web server	Yes	Yes
TITAN platform	Yes	Yes



## REA JET TITAN Platform

The REA JET TITAN Platform is a true cross-device and cross-technology operating concept for all REA JET marking technologies with ink, color or laser.

Employees only need to be trained once and can use the REA JET TITAN platform to operate all of the

REA JET coding and marking systems used in the company.

This significantly shortens the training period, minimizes sources of error and offers flexibility when deploying staff.

### Operation without limitations - now, everything is easier



#### 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



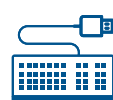
#### Remote maintenance

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

# REA JET



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