

REA JET

INDUSTRIAL CODING AND
MARKING SOLUTIONS –
MADE IN GERMANY

REA JET GK 2.0

High Resolution Inkjet Printers (Piezo)



REA JET GK 2.0

Versatile and Multiple Lines



The new generation of print heads allows alphanumeric texts, 1D/2D codes and graphics such as company logos or product images to be freely combined. Direct printing on packaging and product surfaces with a horizontal resolution of up to 1200 dpi is a cost-effective and flexible alternative to labels or pre-printed cardboards.

High resolution Piezo Inkjet Printers are ideal for marking cardboard boxes and enable texts, barcodes and logos to be changed quickly and conveniently. Depending on what the user wants, a print height of up to 100 mm is possible per print head.

Advantages:

- Control via REA JET TITAN platform
- Low consumable costs
- Solvent-free REA JET inks
- Selectable horizontal print resolution up to 1200 dpi
- Very high font and code quality, sharp edges and high contrast
- Easy data transfer and data backup via USB connection
- Available in fixed and hose versions (with 1 m hose) with the following print heights 50 mm or 100 mm
- Creation of label or print layouts with the REA JET Label Creator or also directly on the printer
- Easy operation and maintenance
- Country-specific PC keyboard can be connected
- New high-performance print head generation
- XML-based data and communication structure
- Ready for Industry 4.0

Areas of application:

- Porous and absorbent surfaces: paper, cardboard boxes, wood, textiles, fleeces, building material etc.
- Flexible alternative to labels and preprinted cardboard boxes
- Serialization and track & trace applications
- Qualitative code check in one process with verification systems from REA VERIFIER
- Alphanumeric texts, barcodes, Data Matrix codes and logos
- Printing of variable data, e.g. date, counter, time, shift code, database contents.



Marking of
cardboard boxes

Print head GK 768 and ink supply unit
with umbilical connection (100 cm) for
flexible print head alignment

Print functions

- Free selectable horizontal print resolution up to 1200 dpi
- High print quality with very good edge sharpness
- Alphanumeric texts, barcodes, Data Matrix codes and logos
- Printing of variable data, e.g. date, counter, time, shift code, database contents

Print heads

- GK 768/256: print height up to 100 mm
- GK 384/128: print height up to 50 mm
- Protection class IP64

Environmental conditions

- Operating temperature: +5 °C to +35 °C
(+41 °F to +95 °F)
- Max. air humidity: 90 %, non-condensing

Ink supply unit

- Ink supply unit for use with 500 ml ink bottles
- Special solvent-free inks
- Ink bottles can be replaced without stopping the printing process
- Optional maintenance module

Print distance

- For text: up to 12 mm
- For 1D/2D codes: up to 6 mm

Weights

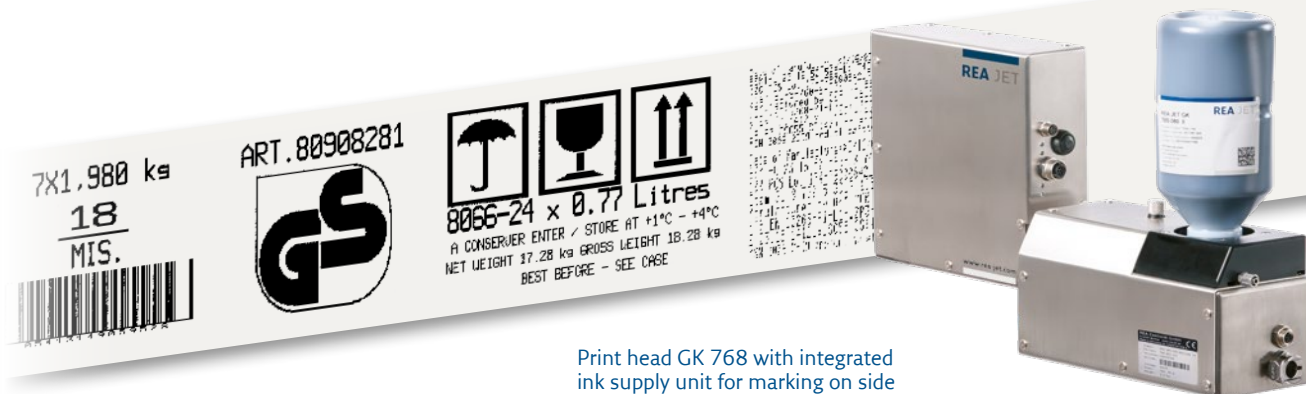
- Print head GK 768: 3970 g (ink supply unit included)
- Print head GK 384: 3170 g (ink supply unit included)



Browser-based WebGUI
Control (optional)



Print head GK 384 and ink supply unit



Print head GK 768 with integrated
ink supply unit for marking on side

REA JET GK 2.0 Controller

Designed for Global Compatibility

- Sturdy and high-quality stainless-steel housing designed for daily work in harsh and rugged industrial environments
- Full Unicode support: all global languages can be printed for companies with international customers
- Support of all True Type Fonts (TTFs): maximum design flexibility for your print texts
- 24 V power supply: for direct integration into machines and plants
- Wide range power supply available: for immediate global use
- XML based data structure and communication protocol: globally standard for data compatibility
- Protection Class IP65: dust-proof and splash water protected for toughest industrial conditions
- Uniform, cross-device communication protocol for condition monitoring across multiple devices: allowing user-specific signal processing
- Consistent graphical user interface WYSIWYG: realistic display of print contents
- Integrated web server: enables print system operation via PC, tablets or smartphone



REA JET GK 2.0 Controller

Connectivity

- Ethernet 1 Gbit
- 3 x USB
- 6 digital inputs
- 4 digital outputs

Power supply

- 24V DC from SELV-Power Supply
- External power supply IP67 (100 V – 277 V AC, 50 – 60 Hz)

Weight

- Controller: 3900 g

The REA JET TITAN Platform:

The most modern operating concept for all REA JET Ink and Laser Marking Systems



Operation with gloves

Central push-turn jog-dial knob for operation with gloves directly at the production line



Touch operation

Touch-sensitive screen for operation directly at the production line



WLAN browser operation

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



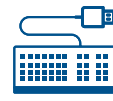
PC operation

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



Remote maintenance

Remote maintenance and operation possible



Keyboard input

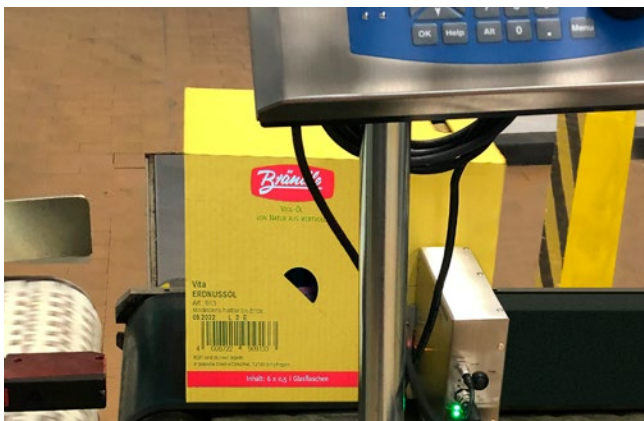
For recurrent, large text entries at the production line, use of international USB keyboards possible



Coding and marking of fiber drums



Cascaded GK 2.0 print heads for logo marking



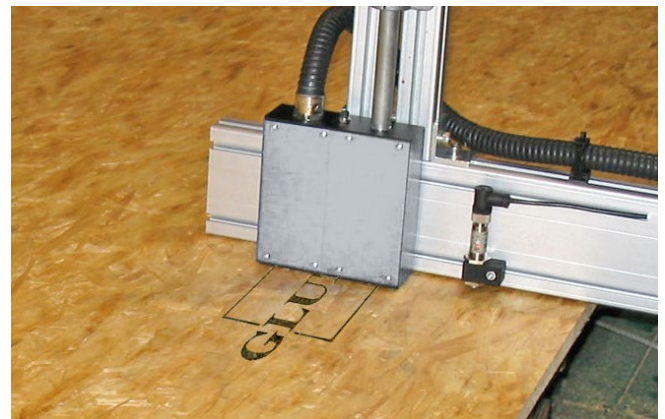
Marking of cardboard boxes



Marking of paper bags



EPAL logo marking on wooden pallet blocks



Marking of OSB panels with logo



Marking of gypsum boards with large logos



Medical elastic bandage marking

REA JET



REA Elektronik GmbH

Teichwiesenstrasse 1

64367 Muehlthal

Germany

T: +49 (0)6154 638-0

F: +49 (0)6154 638-195

E: info@rea-jet.de

www.rea-jet.com