

REA JET

INDUSTRIAL CODING AND
MARKING SOLUTIONS -
MADE IN GERMANY

REA JET DOD 2.0

Impressive all the way
The new Generation of Large Character Printing Systems



The next generation is ready: REA JET DOD 2.0

Print head brain work which pays off for our customers



Determined to further improve our legendary sturdy REA JET DOD large character print heads, we took into consideration two common customer requirements:

1. Need to duplicate production speed to more than 600 m/min
2. Increased need of print head durability by lowering wear and tear

→ **Mission accomplished!**



7 nozzles, 5 - 27 mm

16 nozzles, 5 - 67 mm

32 nozzles, 5 - 140 mm

Technology improved



High-tech Materials

New materials for less wear



REA JET Know How

Further developed REA JET print head technology



Production Precision

Latest production processes allow for highest accuracy

REA JET DOD 2.0 – Control Center

Designed for Global Compatibility

- Sturdy and high-quality stainless-steel casing 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 systems
- Wide range power supply available: for immediate global use
- XML-based data structure and communication protocol: globally standard for data compatibility
- Integrated VNC-Server: Remote maintenance tool for diagnosis and support



DOD 2.0 Control terminal

- Protection Class IP65: dust-proof and splash water protected for toughest industrial use when required
- Uniform communication protocol for condition monitoring across multiple devices: allowing user-specific signal processing
- Consistent graphical user interface WYSIWYG: realistic display of print contents
- Integrated webserver: enables print system operation via tablets or smartphone

Get connected

- Power supply: 24 V DC from SELV-Power Supply
- External power adaptor IP67 (100 V – 277 V AC, 50-60 Hz)
- Ethernet interface 100 Mbit/s M12-D-coded for fast data exchange
- Serial interfaces RS232/422
- USB interface

- Digital I/O interface: freely programmable (e.g. information on filling level)
- 2 print head connection strings: up to 512 nozzles selectable
 - Example 1: 16 print heads with 32 nozzles each (512 nozzles fully used)
 - Example 2: 8 print heads with 16 nozzles each (128 nozzles of 512 used)
- Product sensor and shaft encoder port



DOD 2.0 – Print head Control units
Top: 32 nozzles, bottom: 7/16 nozzles



Rear view DOD 2.0 Control terminal – port panel

Always good to go! Industrial ink and primer supply units



- Highest chemical resistance
- Best mixing performance for inks and primers
- Avoidance of sedimentation
- Greater range through higher filling capacity
- Flushing function optionally available
- Automatic or manual operation
- Comprehensive accessories

A suitable operating concept for every requirement:

Welcome to the new REA JET TITAN Platform



Glove Operation

Central push-turn jog-dial knob even for glove operation directly at the production line.



Touch Screen

15" touch screen for operation directly at the production line.



WLAN Browser Operation

Browser operation through mobile devices (tablet, smartphone) via WLAN / WebGUI.



PC Operation

Remote control from desktop computer or control stand.



Remote Maintenance

Remote maintenance and control available via VNC server.



Keyboard Entry

For regularly recurrent extensive text input at the production line – use of international USB keyboards possible.

WOOD
STEEL
CONCRETE
PAPER
PLASTICS

REA JET DOD 2.0

- High performance coding and marking system ▪
Extremely fast and precise printing on all
absorbent and non-absorbent surfaces.

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