

INDUSTRIAL CODING AND
MARKING SOLUTIONS -
MADE IN GERMANY

REA JET DOD 2.0

Impressive all the way
Large Character Printing Systems



The Benchmark in its Class: Large Character Inkjet Printers (DOD 2.0)



The large character inkjet printing system REA JET DOD 2.0 prints texts, data and logos with a print height of up to 140 mm per print head. The resolution meets the coding and marking requirements for a vast range of industrial applications.

The robust inkjet printer is easy to handle and highly flexible due to the modular design of the system components. The print heads feature 7, 16 or 32 nozzles and can be combined into one printing system - up to 16 print heads per device.

Areas of application:

- Absorbent and non-absorbent surfaces such as paper, cardboard, metal, glass, ceramic, stone, wood, plastic, rubber, foils, carpet, textiles, fleece, organic surfaces etc.
- Under extreme environmental conditions such as dust, moisture, vibration and temperature fluctuations

Advantages:

- Control via REA JET TITAN Platform
- Potential speeds of up to 600 m/min
- Print heads with cascading capability for printing large surfaces: up to 512 nozzles can be addressed
- REA JET print head technology: robust and reliable
- Economical use of consumables
- Suitable for pigmented and non-pigmented inks
- Protection class IP65
- REA Plug & Print technology: high level of system availability and process reliability thanks to fast changeover system for modular components
- REA Purge & Clean technology: fast cleaning of the print head at the touch of a button
- REA DSC technology: dot size control, freely adjustable drop size for economical use of consumables
- REA Micro-Slating technology: fine adjustment of height and width ratio of the text to optimize the print image
- Modern interface connection to higher-level software systems for improving efficiency and reliability of production
- Ready for Industry 4.0

Print head variants:

- 7 nozzles: single-line marking with a height of 5 to 27 mm
- 16 nozzles: single- to two-line markings with a height of 5 to 67 mm
- 32 nozzles: single- to five-line markings with a height of 5 to 140 mm



REA JET DOD 2.0 – Control Center



- Sturdy and high-quality stainlesssteel casing designed for daily work in harsh and rugged industrial environments
- Protection Class IP65: dust-proof and splash water protected for toughest industrial use when required
- 24 V power supply: for direct integration into machines and systems
- Consistent graphical user interface WYSIWYG: realistic display of print contents
- Support of all True Type Fonts (TTFs): maximum design flexibility for your print texts
- Operation: number pad, cursor block, function keys, dial with push button function

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



REA JET DOD 2.0 – Print Head Controller Units
Top: 32 nozzles, bottom: 7/16 nozzles

Designed for Global Compatibility

- Wide range power supply available: for immediate global use
- Full Unicode support: all global languages can be printed for companies with international customers
- XML-based data structure and communication protocol: globally standard for data compatibility
- Integrated VNC-Server: Remote maintenance tool for diagnosis and support
- Uniform communication protocol for condition monitoring across multiple devices: allowing user-specific signal processing
- Integrated webserver: enables print system operation via PC, tablets or smartphone
- Ready for Industry 4.0

- 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



Rear view REA JET DOD 2.0 Control Terminal – port panel

Always good to go! Industrial ink and primer supply units

REA JET offers various ink and primer supplies - the right solution for every customer requirement.



REA JET Ink- and Primer Supply Unit TV-PP-4.5 liters (AFS) with automatic flushing system

- Highest chemical resistance
- Best mixing performance for inks and primers
- Avoidance of sedimentation
- Greater range through higher filling capacity
- Automatic flushing system
- Automatic or manual operation
- Comprehensive accessories
- Over 500 inks and primers

REA JET TITAN Platform: The Single Operating Concept for all REA JET Technologies



Glove Operation

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



Touch Screen

Touch screen for operation directly at the production line



WLAN Browser Operation

Browser operation through mobile devices (PC, 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



Coding and marking of pipes (steel, plastic etc.)



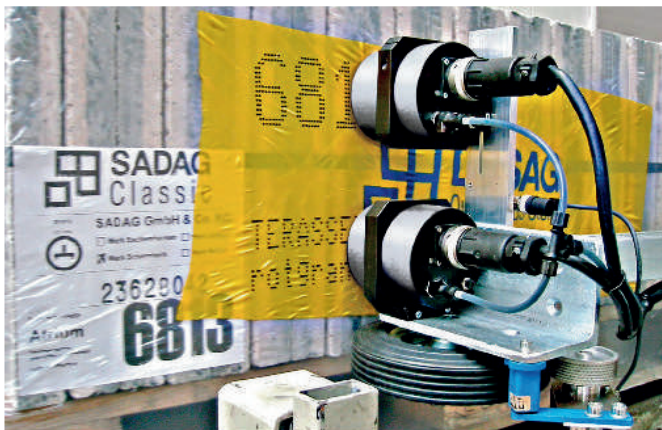
Marking of aluminum plates



Marking of paper bags



Marking of tread on raw rubber



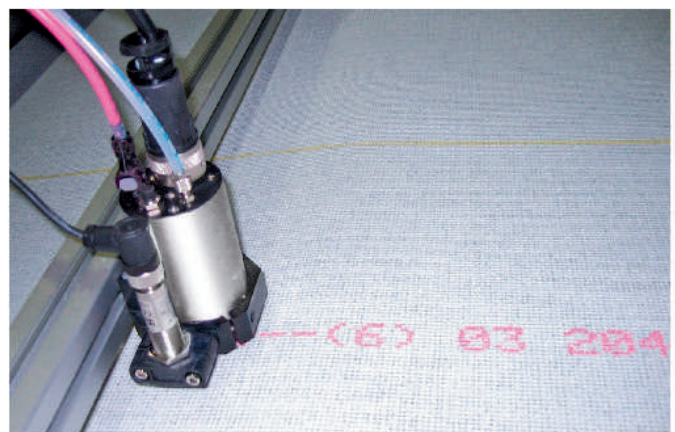
Coding and marking of shrink hoods



Marking of concrete pipes



Large marking of logos on stacked boards



Coding and marking of sheeting materials

REA JET



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