

# REA JET DOD PIGMENT INK JET PRINTERS



REA JET pigmented ink jet printers are designed to operate in harsh industrial environments and print with exceptional legibility on metals, rubber, plastics, textiles, and other materials. Print large characters and graphics at speeds up to 1,960 feet/minute with bold pigmented inks for high-contrast product identification.

## RELIABILITY IN HARSH ENVIRONMENTS

- IP65 rated components withstand dust, high humidity, extreme temperatures, vibration, and even wash-down environments.
- The specialized ink circulation system keeps pigmented inks properly mixed to prevent particles from clogging the print head. Ink is continually circulated throughout the system even when it is not printing.
- REA JET 2.0 print heads have been re-engineered for improved print quality and much longer service life.
- Modular system design means any component can be quickly removed and replaced when maintenance is needed.



## SPECIFICATIONS

Power Supply	24V DC super extra low voltage (SELV) power supply IP67 external power adapter 100V – 277V AC, 50-60 Hz
Operating Environment	Controller: -5°C to 40°C   23°F to 104°F Other Components: 0°C to 50°C   32°F to 122°F Humidity: 95% maximum, non-condensing
Protection Class	IP65 against ingress of dust and fluids
Languages	English and 31 more selectable languages
Print Heads Per Controller	Up to 512 nozzles (dots) per controller
Print Speed	Up to 600 meters/minute   1,960 feet/minute
Cable Lengths	Controller to PCU: 0.5 to 50 meters   1.6 to 160 feet PCU to Print Head: 3 or 6 meters   10 or 20 feet



## TITAN CONTROLLER PORTS

1. Port for external 24V DC power supply
2. Ethernet port, 100 Mbps M12 D-coded
3. Print head port 1 for up to 256 nozzles
4. Print head port 2 for up to 256 nozzles
5. Product sensor port
6. Shaft encoder port
7. Serial port RS-232/422/485
8. Digital I/O port, freely programmable

## PRINT HEADS

	7 Dot	16 Dot	32 Dot
Print Height	9* to 27 mm .35" to 1.06"	9 to 67 mm .35" to 2.64"	9 to 140 mm .35" to 5.51"
Lines of Text Per Head	1 line	1 or 2 lines	1 to 5 lines
Fonts (dots tall x dots wide)	5 x 5 (1 line) 7 x 5 (1 line)	5 x 5 (2 lines) 7 x 5 (2 lines) 10 x 10 (1 line) 16 x 10 (1 line)	5x5 (up to 5 lines) 7x5 (up to 4 lines) 10x10 (up to 3 lines) 15x10 (up to 2 lines) 32x20 (1 line)
Dimensions H x W x D	60 x 60 x 101 mm 2.4" x 2.4" x 4"	100 x 100 x 101 mm 4" x 4" x 4"	180 x 73 x 104 mm 7.1" x 2.9" x 4.1"

\* Smaller character sizes are possible for special applications.

## TITAN CONTROLLER

TITAN controllers feature a color graphical display, pushbutton selection dial, and USB port for easy transfer of marking job files.

Data can be entered directly or sent via Ethernet using a simple communication protocol. Integrated web access enables remote monitoring and operation from a PC or mobile device.



## PIGMENTED INK SUPPLY

The ink supply's 4.5 liter external ink tank is easy to refill, and quick-change tank liners lessen the need to clean and flush the unit. Dual pumps continually mix and circulate inks to prevent settling. No air is required.

Ink supply units are available with an onboard print head flushing tank for manual or automatic print head flushing.



## PRINT HEADS



Reliable print heads have been updated for longer service life in between cleanings or repairs. Heads connect to the controller via 16 or 32 dot print head control units (PCUs).



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