REA JET DOD INK JET PRINTERS

Large character drop on demand (DOD) ink jet printers for printing with dye-based printing inks.

REA JET ink jet printers feature next-generation technology for industrial printing applications. Print large characters and graphics with a wide variety of specialty inks at speeds up to 1,960 feet/minute.

RELIABILITY IN HARSH ENVIRONMENTS

- Modular system design means any component can be quickly removed and replaced when maintenance is needed

- IP65 rated components are resistant to dust, humidity, water splashes, and vibration

- New 2.0 print heads deliver high quality marks and greatly improved service life

- Heavy duty cables with military grade connectors ensure reliable performance in harsh environments

EASY PRINTER CONTROL

- Full-color graphic display, pushbutton selection dial, and simple function keys make everyday operation easy

- Variable message information can be entered directly or sent via Ethernet using a simple communication protocol

- Print jobs can be designed offline and uploaded from a laptop or storage device

- Integrated web connectivity enables remote monitoring and operation from a PC or mobile device

Print on a wide variety of materials including metal, plastic, fabric, and paper.

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
Ink Supply Sizes	2 liter, 5 liter, 5 gallon

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
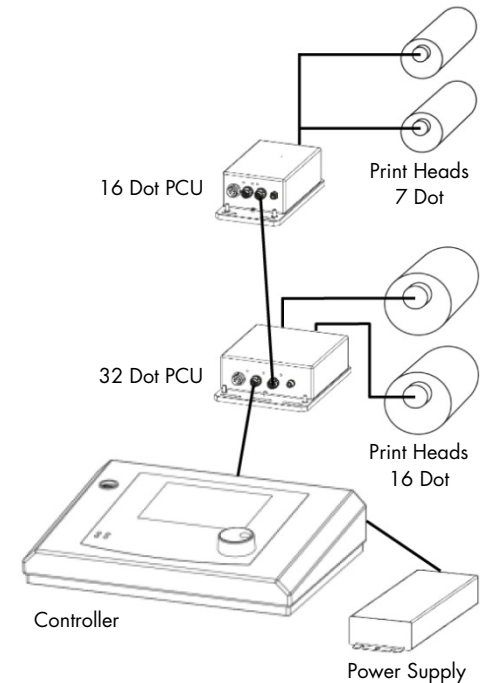8. Digital I/O port, freely programmable

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)	5 × 5 (up to 5 lines) 7 × 5 (up to 4 lines) 10 × 10 (up to 3 lines) 15 × 10 (up to 2 lines) 32 × 20 (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.

PRINT HEAD CONTROL UNITS

32 Dot PCU

16 Dot PCU

FLEXIBLE SYSTEM DESIGN

16 Dot PCU

Print Heads 7 Dot

32 Dot PCU

Print Heads 16 Dot

Controller

Power Supply

The modular nature of REA JET printers allows for ultimate flexibility in designing the right printing system for your needs.

- Up to 8 PCUs can be connected to each print head port on the controller, for a maximum of 512 dots per system.

- Print heads can be assigned to up to 4 groups. Parameters such as sensor delay, print height, label, label offset, and print head offset can be defined for each group.

- Each individual print head has additional configuration options.

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