BOTTLEJET 2.1

Cylindrical Inkjet Printing — *now with added features!*

The **BottleJET 2.1** is a multi-color, UV-LED, high-resolution industrial inkjet printer designed specifically to print direct-to-shape on cylindrical objects. Able to accomodate either flat- or taper-walled parts, the **BottleJET 2.1** is ideal for printing up to 1200x900 dpi images on pint glasses, water bottles, and other drinkware. **Now with significant hardware and software improvements over the previous model!**

- Upgraded firmware:
  - Start printing position can now be specified, along with x and y position
  - Speed calibration is more accurate and is automatically stored, reducing setup time
- Added UV sensor to enhance safety and reduce risk of damage to heads
- Improved bottle fixture with additional rollers
- Improved lead screw servo motor
- Upgraded lead screw

  Stronger carriage beam and support leg
- New visible red laser guide line makes it easier to set x-axis printing origin
- Improved stirring method for white ink

The new UV light sensor prevents accidental curing of print heads

Scan here to view video!

Specifications

Maximum Print Area	Cylindrical Object from 0 - 270mm length Diameter from 40 - 120mm with printing area up to 220mm high
Maximum Product Height	270mm
Maximum Resolution	Minimum 728 x 900 dpi (6 Pass) 728 x 1200 dpi (8 Pass)
Number of Print Heads	Up to 4 RICOH Gen 4 print heads
Ink Type	UV Curable
Compatible Software	Adobe Illustrator & Photoshop, Corel Draw
Image Processing Software	ColorPRINT RIP software
Software Features	Job and Print Queue Management
Control Panel	LCD display panel
Computer	Industrial PC with RIP software included
Ambient Temperature	68F to 86F (20C to 30C)
Humidity	40-70% recommended
Physical Space	56.6" x 51.2" x 22"
Printing Speed	Up to 3 Rotations / Sec based on 73mm (3 inch) diameter.

Machine dimensions will vary depending on optional equipment added.

These three pint glasses were printed with identical artwork. To print an entire glass took 1:33 to overprint a layer of white, print the three images and the band around the base in CMYK at 1200 x 900 dpi, and add a layer of varnish for a total ink cost of $0.33.
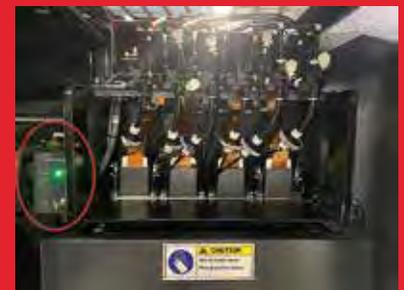
Individual images:
1) Vector design in CMYK at 1200 x 900. White overprint layer and varnish.
2) Sample logo design showing gradients and half-varnish, half-matte finish. White overprint.
3) Photorealistic print taken from a .jpg file. 1200 x 900 dpi. White overprint layer.

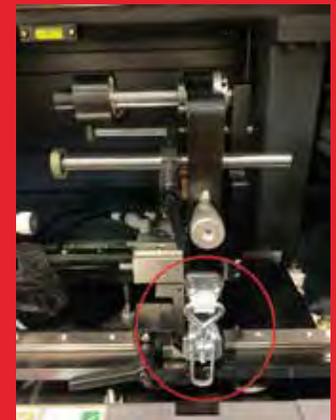Wrap: white layer, type (both knockout and regular) down to 3 pt.

The BottleJet 2.1 boasts an upgraded servo motor and heavier-grade lead screw

Green light indicates print heads are protected from accidental UV exposure.

New quick-release latch makes tooling changeovers a snap.

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