QUANTICA + MICROJET

ADVANCED INKJET BUILT FOR INDUSTRIAL MANUFACTURING

Quantica's proprietary NovoJet™ printhead uses advanced inkjet technology to enable digital and automated manufacturing with high viscosity materials that were previously not jettable.

PRINT EXISTING DISPENSING OR SCREEN PRINTING MATERIALS WITH:

HIGH VISCOSITIES

up to **250 mPa•s*** (jetting temp.)

Equivalent to up to 15,000 mPa•s (room temp.)

LARGE PARTICLES

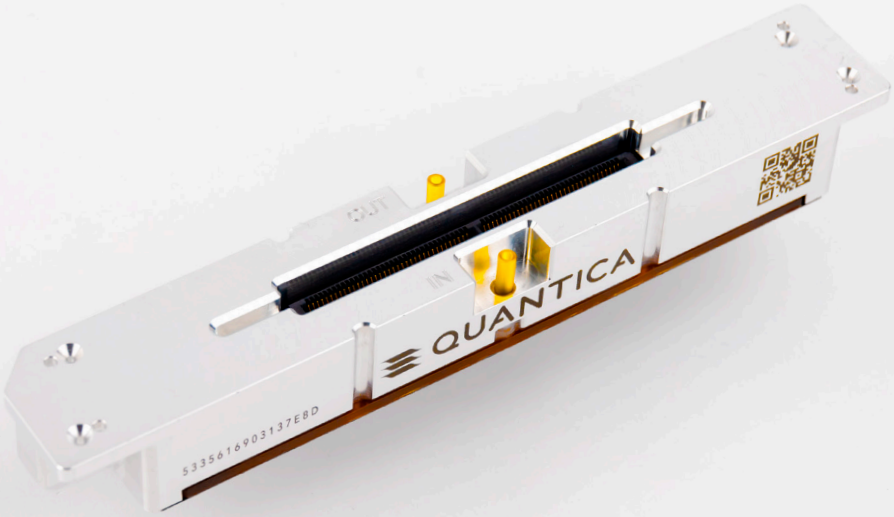
up to **9µm D90**

LARGE DROP VOLUMES

between **200-600 pL**

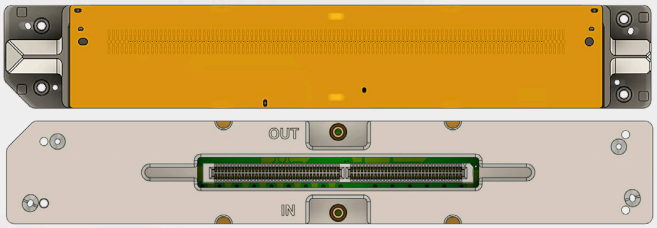
NovoJet™ Printhead Technology

Quantica's proprietary inkjet technology expands possibilities for jetting a wider range of materials.



Specs

Nozzle Count	96
Frequency	8kHz
Nozzle Diameter	50-90µm
Nozzle Pitch	1.27mm
Max Throw Distance	25mm
Drop Volume	200-600pL
Viscosity Range	up to 250 mPa•s* (at jetting temp)
Particle Size	up to 9µm D90



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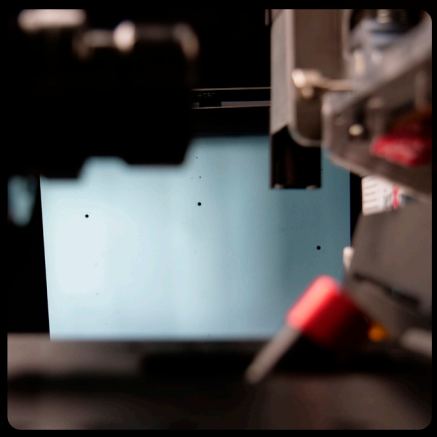
* Actual jettability depends on other physical attributes of fluids such as non-Newtonian behavior, stability of viscosity over time, elasticity, particle concentration, particle size distribution, particle agglomeration. As measured in viscometer at jetting temperature (80°C max). The ink system may require significant time to stabilize temperature and flow in some circumstances. Viscosity range specification subject to change.

Manufacturing Solutions Powered by Transformative Technology

Quantica's printing solutions, powered by the NovoJet™ printhead, are designed to meet a wide range of customer needs. Everything from tools and services for initial development to printers and print engines for print production.

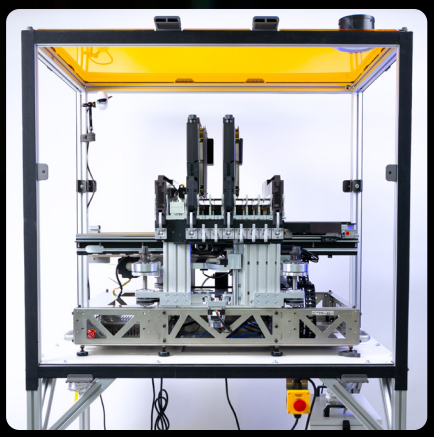
JETPACK

Tool for material validation



OPEN R&D PRINTER

Sample & prototype printing



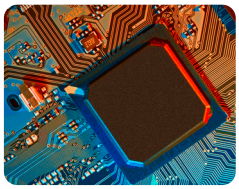
PRINT ENGINE

Tool for mass production

Industries

High-performance, digital printing solutions for a wide range of industries.

INTERIORS & EXTERIORS

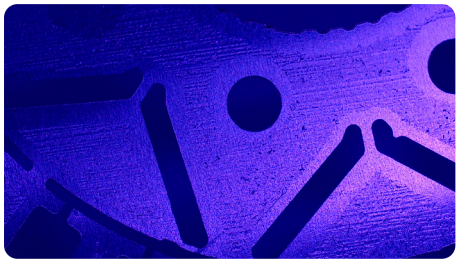


PRINTED ELECTRONICS

AUTOMOTIVE

PACKAGING & LABELS

Materials & Applications



ADHESIVES

Precisely apply high-viscosity and temperature-reactive adhesives, providing a digital solution for enhanced designs in manufacturing.

COATINGS

Apply functional coatings—protective, insulating, and decorative—to automotive parts, batteries, windows, and flooring, minimizing material waste compared to spray coating.

CONDUCTIVE INKS

Jet micron-particle inks for printed electronics, offering greater design freedom and reduced costs compared to screen printing and nanoparticle inks.

QUANTICA

For more information visit us at **quantica.io**