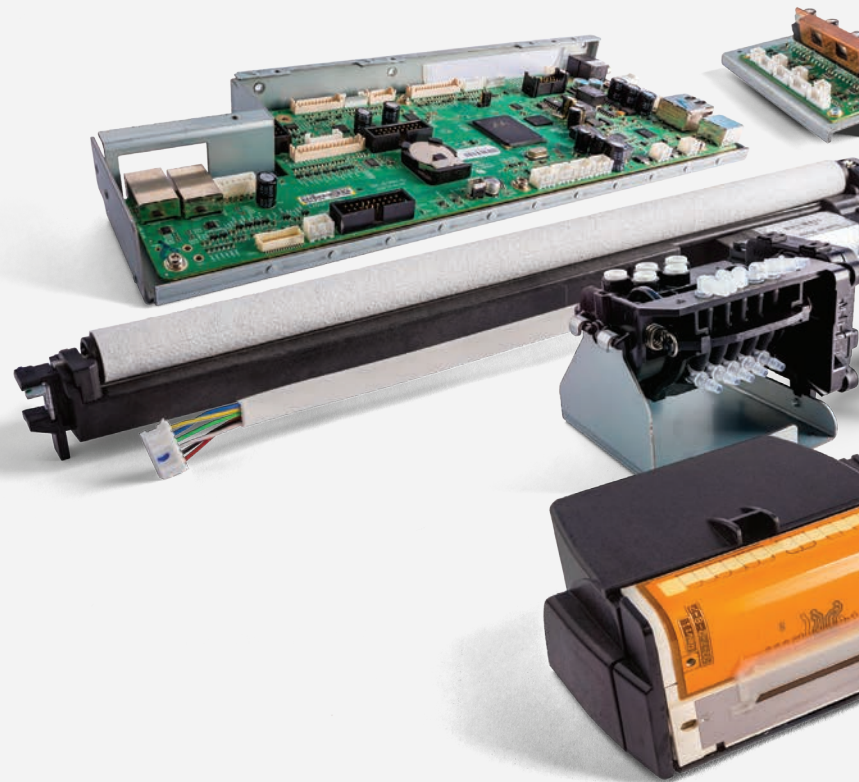


WE ARE R&D

The Game Changing VersaPass®

VersaPass, the technology that started it all.
Economic and compact single-pass print engines
for a wide range of market segments.



Seeing is Believing.

Watch Memjet® technology in action at memjet.com/technology/versapass

VERSA PASS®

Component or Feature

Specifications

VersaPass Printhead

- 222.8 mm (8.77 in) Print Width
- Single and Multi-color Printhead

- 70,400 Nozzles
- User Replaceable

VersaPass Inks

- Aqueous Dye Inks
- CMYK

- Compatible with a wide range of uncoated paper, inkjet treated and inkjet coated matte and glossy substrates

Data Pipeline

- ASIC, for multi-color printheads and a lower cost FPGA, for higher-performance, single-color printheads, as used in the VersaPass Press Engine

VersaPass Software

- Optimal interactions between printhead and ink
- Two approaches for high-speed electronic control

- Unique balance of affordability with performance
- Authentic inks protected electronically with advanced encryption

VersaPass Engines and Components Set

- VersaPass Components Set
- VersaPass Desktop Engine

- VersaPass Wide Format Engine
- VersaPass Press Engine

Support

- Memjet Application Engineering
- OEM Training and Documentation
- Customer Service Partner Portal

- Business Development
- Marketing Services

Print Resolution and Speed

- VersaPass Components Set, Desktop Engine and Wide Format Engine
- Up to 1600 x 1600 dpi
- Up to 304 mm/sec (12 in/min)

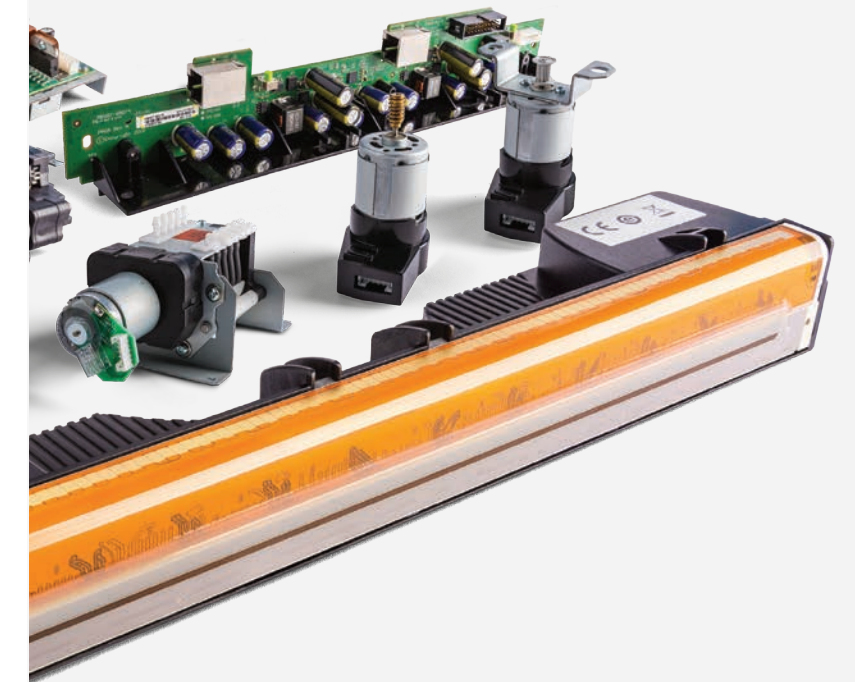
- VersaPass Press Engine
- Up to 1600 x 1375 dpi
- Up to 207 m/min (681 dpi)

VersaPass Printhead

Memjet® VersaPass® packs 70,400 nozzles into a 222.8 mm (8.77 in) wide 1,600 dpi printhead that can easily be configured to print one or four colors and can be used in 1-wide to 5-wide. Memjet's efficient silicon structure enables the printheads to remain cost-effective and the single-pass print technology delivers an impressive combination of speed and image quality.



VERSA PASS®



memjet®

Beautiful Precision, Simplicity, and Affordability.

The Future of Print:

DISRUPTING THE WORLD OF DIGITAL INK JET TECHNOLOGY



Printhead

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Inks

VersaPass inks are aqueous dye inks customized to work with Memjet printheads. Advanced dyes have been chosen to achieve market-leading image quality and reliability at the high speeds of VersaPass engines and print components. Comprised of more than 70% water, VersaPass inks are safe to use and are environmentally friendlier than UV, solvent, or liquid toner inks.

VersaPass Configurations

The VersaPass Single Printhead Components Set enables single-printhead engine designs to be configured with above-the-web maintenance, flexible ink delivery options, and a partner-designed paper path.

VersaPass print engines combine ink delivery, maintenance, component electronics, and under-printhead paper path in pre-configured engine designs that accelerate an OEM's whole product development. Three Memjet print engines provide the core for the range of print solutions, from entry-level benchtop printers to commercial printing presses.

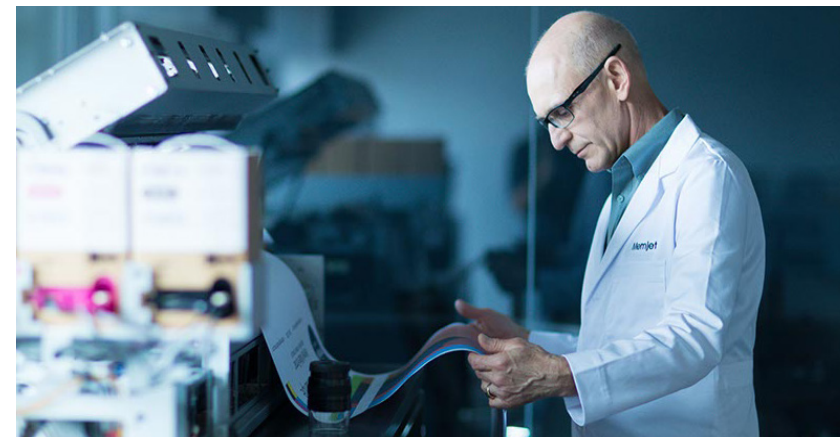


Components Set

The design flexibility of the VersaPass Components Set makes it an ideal starting point for developing products that support affordable printing of labels, envelopes, thick objects like padded envelopes and unfolded boxes, and even ready-for-shipment folded boxes. The Components Set includes a printhead, all components for printhead maintenance, electronics and the choice between two ink delivery system options.

Desktop Engine

The VersaPass Desktop Engine offers a compact solution and fast product development for a range of applications that deliver high print quality with low total cost of ownership. It enables affordable printing of envelopes, labels, sheets and forms, and is supported by an OEM's media handling system, which is custom-designed for specific applications.



Wide Format Engine

The VersaPass Wide Format Engine stitches 5 printheads together for a total print width of 1067 mm (42 in). It is ideal for not only technical documents, but also indoor signage and packaging, like corrugated boxes and flexible packaging.

Press Engine

The VersaPass Press Engine has up to 5 one-color printheads and nozzle redundancy enabling high-speed printing for commercial printing applications. The print engines can be configured in single-engine, 2-engine, and 4-engine systems for simplex, stitched images and duplex printing.

The Benefits of VersaPass

VersaPass is an aqueous dye-based, single-pass digital print system that delivers an unmatched combination of quality, speed and affordability. The platform's wide range of varying engine and component configurations enables OEMs to build printers and presses that address a variety of markets, from benchtop to wide format and commercial printing.

Low Cost

- User replaceable printheads
- Multiple options with low TCO

Quality

- Small drop sizes and high resolution for sharp lines and smooth transitions
- Wide color gamut with dye inks

Speed

- Up to 207 m/min (681 ft/min) with the VersaPass Press Engine
- Up to 304 mm/sec (12 in/min) for all other engines and VersaPass Components Set

Simplicity

- 3 different print engines and a components set for fast and easy integration
- Custom applications (up to 1067 mm / 42 in)

OEM Support

We have created a proactive approach that goes beyond just support. Our dedicated team has expertise in all the disciplines required to create a state-of-the-art print system, including software, hardware, mechanical design and fluidics. Memjet also provides a wide range of marketing support working closely with our partners to build joint integrated marketing campaigns that amplify their brand and showcase their solutions.

Powering New Markets, Applications and Opportunities



Office & Document

Increase the effectiveness of office communications through color and speed with lower print costs and interventions.



Labels

Increase efficiency, productivity, and flexibility in manufacturing with short-run color labels on demand. Memjet technology powers fast, high-quality color label systems spanning from desktop to narrow-web press applications.



Mailing & Addressing

Generate unmatched high quality/low cost edge-to-edge color envelopes and direct mail. Memjet technology makes it easier to print on wider and thicker envelopes and direct mail media.



Commercial Print

For high-speed printing with full variable data and outstanding image quality. Profitably print commercial printing applications like transactional, transpromotional, direct mail and bulletins.



Packaging

Evolve packaging to create a more personalized interaction between consumers and brands with custom, full-color corrugate, folding carton, and flexible packaging solutions.



Wide Format

With print widths up to 1270 mm (50 in), a wide range of applications and substrates can now be addressed with market-leading image quality, durability, and speed of Memjet printing technology.