VersaPass Printhead
- 222.8 mm (8.77 in) Print Width
- Single and Multi-color Printhead
- Aqueous Dye Inks
- CMYK
- ASIC, for multi-color printheads and a lower cost FPGA, for higher-performance, single-color printheads, as used in the VersaPass Press Engine

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

Data Pipeline
- ADIC, 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
- Memjet Application Engineering
- OEM Training and Documentation
- Customer Service Partner Portal
- Business Development
- Marketing Services

Support
- VersaPass Press Engine
- Up to 1600 x 1600 dpi
- Up to 304 mm/sec (12 in/min)

Print Resolution and Speed
- VersaPass Press Engine
- Up to 1800 x 1375 dpi
- Up to 207 m/min (681 dpi)

Memjet’s 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.
**The Future of Print:**

**Disrupting the World of Digital Ink Jet Technology**

**Printhead**

Memjet VersaPass printheads pack 70,400 nozzles into a 223.8 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- to 5-wide to 5-wide. Memjet’s efficient silicon structure enables the printhead to remain cost-effective and the single-pass print technology delivers an impressive combination of speed and image quality.

**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 media handling system, which is custom-designed for specific applications.

**VersaPass Wide Format Engine**

The VersaPass Wide Format Engine stitches 5 printheads together for a total print width of 1,087 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 3 one-color printheads and enables 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.

**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, their 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 at low 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.

**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 fluids. 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.

**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 benchmark to wide format and commercial printing.

**Low Cost**

- User replaceable printheads
- Multiple options with raw 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 1,087 mm / 42 in)

**OEM Support**

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

**Labels**

VersaPass technology powers fast, high-quality color label systems spanning from desktop to narrow-web press applications.

**Mailing & Addressing**

Generate unrivaled 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. Produces print commercial printing applications like transactional, transpromotional, direct mail and booklets.

**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 1,270 mm (50 in), a wide range of applications and substrates can be addressed with market-leading image quality, durability, and speed of Memjet printing technology.