

INTRODUCING DURALINK.

A new way to bring Memjet's unmatched speed, simplicity and affordability to a broader range of markets.

SPEED

- Print speeds up to 203 meters per minute (668 fpm)

PROFITABILITY

- Low TCO for remarkable affordability
- Save on development costs by sourcing all modules from Memjet
- Faster time to market

FLEXIBILITY

- Flexible modular system
- 2.5 meters (100 inch) max print width

QUALITY

- Durable pigment ink
- Near-offset print quality
- Up to 1600x1585 dpi
- 5x nozzle redundancy

Seeing is believing. Watch Memjet technology in action at Memjet.com

COMPONENT OR FEATURE SPECIFICATIONS

DURALINK
BY MEMJET™

DuraLink Printhead

- 222.8 mm (8.77 in) print width
- Single color printhead with 5x redundancy
- 70,400 nozzles with > 1 billion ejections per nozzle
- User replaceable

DuraLink Inks

- Aqueous pigment inks
- CMYK (additional inks upon request)
- Compatible with bond, uncoated offset, inkjet treated and inkjet coated media

Data Pipeline

- Custom FPGA and firmware providing dot-for-dot control of print streams from RIP to printhead

DuraLink Software

- Print Engine Supervisor Software
- **Example software, as basis for OEM development**
- Graphical user interface (GUI)

Reference Design software, available from Memjet:

- Job Submission Library
- Printer Control System
- Memjet Vision System/Vision Control Interface

DuraLink Modules and Consumables

Modules

- Printhead Module
- Maintenance Module
- Ink Supply Module
- Waste Ink Management Module
- Aerosol Management Module
- Print Engine Supervisor Module
- Print Bar Interface Module
- Dongle Dock Module

Consumables

- Printheads
- Inks
- Printhead wiper cartridge
- Aerosol nozzle
- Aerosol filter
- Ink Supply Module filters
- Cap

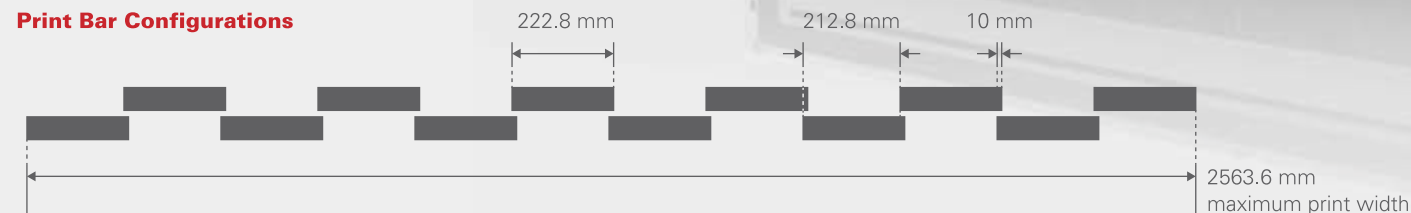
Support

- Memjet Application Engineering
- OEM training and documentation
- Customer Service Partner Portal

Print resolution and speed

- Up to 1600 x 1585 dpi
- Up to 203 m/min (668 ft/min)

Print Bar Configurations



memjet
DURALINK™



THE FUTURE OF PRINT:

MORE SCALABLE AND FLEXIBLE THAN EVER.

MEMJET GIVES YOU ALL THE TOOLS TO MAKE IT POSSIBLE.



Printhead Module Each Printhead Module contains one printhead, furnishing interfaces to the rest of the press components. Accurate printhead placement and movement is provided by the printhead nest.



Maintenance Module The Maintenance Module prepares a printhead for printing and caps it when not in use. It contains a cap, a wiper, and the movement mechanisms for printhead maintenance.

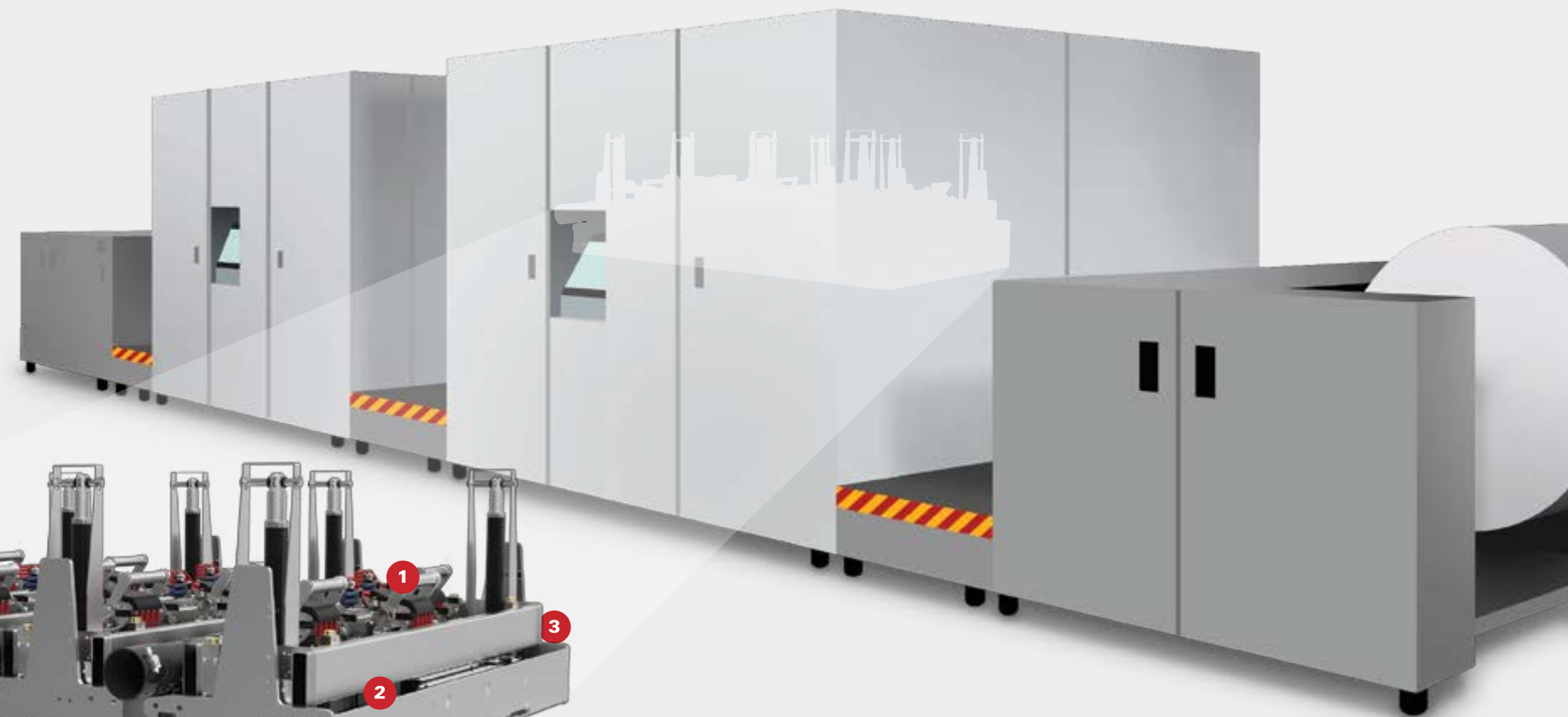


Print Bar Interface Module The Print Bar Interface Module distributes timing signals to synchronize printing.

Software Memjet provides the Print Engine Supervisor Interface and Software. OEM partners can use Memjet's Graphical User Interface software and reference design software for job submission, printer control

and Vision System/Control interface, or they can design their own. Memjet partners with Xitron (xitron.com) to provide a RIP option for the DuraLink platform.

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Right: An example three printhead wide CMYK setup.

TECHNOLOGY MODULE CABINET

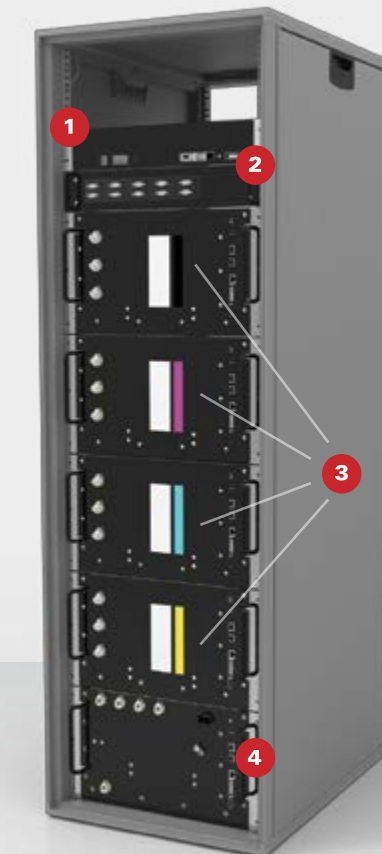
1. Print Engine Supervisor Module (PESM): One Print Engine Supervisor Module controls all modules across all print bars within a printing system, including the ink quality assurance (QAI) authentication. The PESM includes an Ethernet port as a single control interface from the OEM printer controller.

2. Dongle Dock Module: This Dongle Dock Module provides an interface for the quality assurance system. The Quality Assurance system reads from dongles to determine if the printer has the correct color, volume, and OEM brand of ink needed to allow printing.

3. Ink Supply Modules: The Ink Supply Module draws ink from the bulk ink supply and feeds the ink to the Printhead Modules at

controlled pressures. It also filters and degasses the ink, and provides sufficient storage to support replacing depleted bulk ink containers while printing.

4. Waste Ink Management Module (WIMM): The WIMM provides controlled vacuum to support the action of the Maintenance Module in wiping the printhead, maintaining optimum print quality. It manages the small quantities of waste ink generated in maintenance operations.



Left: An example 19-inch rack.