

DURABOLT[™]

YOUR TURNKEY PRINT SOLUTION



memjet[®]

Beautiful Precision, Simplicity and Flexibility



An Integrated Solution that Adds Value

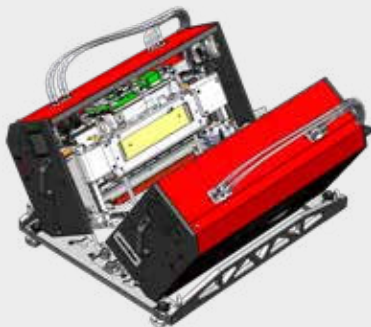
The DuraBolt 325C PrintEngine is a high-volume, integrated print solution designed to capture strong efficiency gains across multiple markets. This cutting-edge print technology is easily operated and delivers Memjet's trademark combination of speed, flexibility and precision.

Designed for today using the technology of the tomorrow, DuraBolt offers OEMs a powerful value proposition. It is a scalable solution that provides broad and customizable functionality at exceptional value. The DuraBolt PrintEngine delivers outstanding CMYK print quality across a wide variety of high-volume production printing applications. Augmented by a sophisticated digital front end (DFE), DuraBolt is easily integrated into existing infrastructure to fast-track commercialization for OEMs and provide ease of use to end customers.

Maximize Speed and Quality with DuraBolt

DuraBolt technology is engineered for lightning speeds and outstanding print quality. When it comes to quality, the DuraBolt platform can deliver print resolutions up to 1600 x 1600 DPI by adopting Memjet's state-of-the-art printhead technology. Pinpoint accuracy is maintained across print speeds up to 450 feet per minute, making DuraBolt a highly efficient performer. Purpose-built for high-volume print runs, DuraBolt delivers full bleed, CMYK color for sheet-fed, web-fed, simplex, duplex and high-volume printing. DuraBolt houses a robust print engine with a flexible control system, precision performance and automated maintenance capabilities.

**DuraBolt 325c
PrintEngine**



Reduce Development Time and Costs

DuraBolt 325C is a ready-to-deploy print engine that removes development costs, allowing OEMs to expedite commercialization. The powerful ModBus solution architecture enables OEMs to rapidly design and configure effective printing systems with highly integrated process controls. The engine's flexible design means it is easily reconfigured to serve multiple applications, markets and price points. This enables DuraBolt to significantly reduce OEM investment expenditure and time-to-market.

Leverage Memjet's Advanced Printhead Technology

DuraBolt uses Memjet's proven proprietary printhead technology to deliver outstanding and consistent print quality. The DuraBolt 325C PrintEngine has a twin head design that includes two 12.77-inch 'ThunderBolt' printheads. Each printhead can jet up to 240 liters of ink and deliver 4 times nozzle redundancy per color for optimal performance.

Custom Digital Front End with Extensive Capabilities

DuraBolt comes with a configurable Digital Front End (DFE) that streamlines interaction between the print engine and all aspects of the printing process. This delivers powerful process control, system automation and straightforward user operation. The print engine's custom Human Machine Interface provides an intuitive, interactive dashboard that includes real-time status of consumable levels, press components and environmental conditions.

DuraBolt Ink

DuraBolt uses Memjet's durable pigment, fast-drying aqueous ink to deliver market leading image quality across a wide range of applications. An environmentally friendly ink, it has been developed for use on food packaging and other indirect food contact applications by ensuring that all components are listed on the Swiss Ordinance. This water-based ink is free of hazardous UV ink components such as 4-methyl-benzophenone, benzophenone and phthalate esters.



Seeing is Believing.

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

Enhance Productivity with DuraBolt

Easy to install, integrate, operate and maintain, DuraBolt has been designed to facilitate tangible productivity gains. The print system combines advanced technology with a user-centric design to deliver on its productivity promise.

DuraBolt answers industry calls for technology suited to a cost effective workforce of non-expert print operators. Remarkably easy to use and providing seamless connection to additional print system components, DuraBolt can enhance both productivity and profit. The system's design goes beyond technology, functionality and ergonomics to focus on end-user experience. Streamlined processes and maintenance systems provide an intuitive and fluid operating experience that is bolstered by a customized Human Machine Interface for intuitive dashboard control.

Extended Print Runs

DuraBolt delivers outstanding print quality for thousands of prints without pause for maintenance cycles. The reduced need for maintenance combined with high print speeds adds to DuraBolt's attractive productivity profile.

Automation and Simplicity

Further productivity gains come from the ease at which DuraBolt can run consecutive jobs, one after another. Automated printhead calibration means image quality is retained from job to job, and automated configurable rapid maintenance cycles mean minimal downtime. The print engine's rapid start up cycle aids the process, and even the periodic printhead replacement can be done quickly and easily without the need for skilled technicians. All this translates to a high throughput and outstanding asset utilization.

Suitable to a Wide Range of Applications

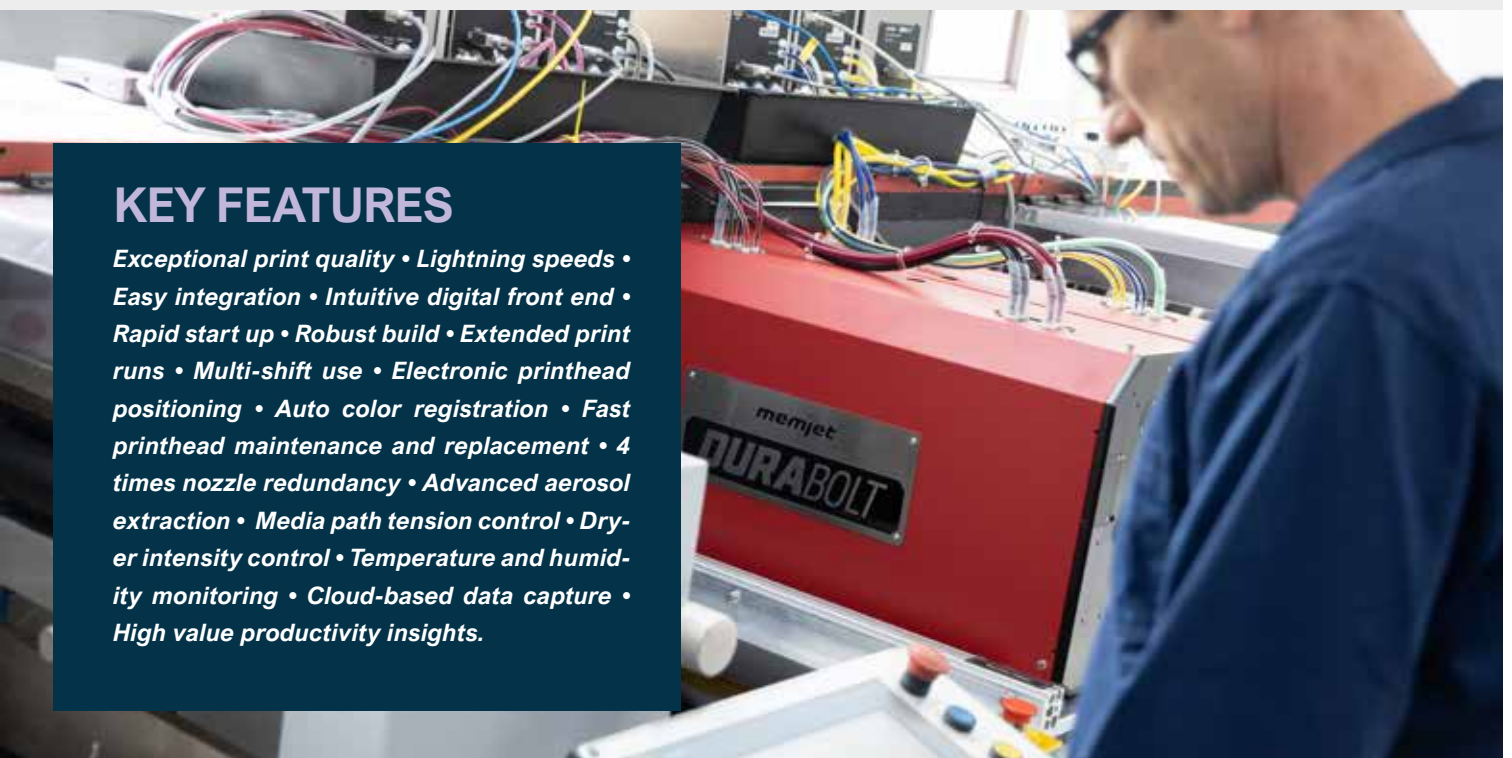
The DuraBolt print engine is a multipurpose print solution that serves numerous market segments and can be rapidly integrated into simplex, duplex, sheet-fed or web-fed systems. Combined with Memjet's proprietary printhead technology and inks, it is suitable for high-volume, high-quality printing across a wide range of applications including: books, manuals, promotional materials, envelopes, direct mail, transactional and security printing, identification, general purpose digital commercial printing and packaging applications such as labels and folding cartons.

The Memjet Printing Ecosystem

Memjet has developed a vertically integrated printing ecosystem to provide OEMs with uninterrupted access to technology and supplies across the print production process. From high performance inks, primers and coatings to media supply, drying technology and workflow management, Memjet serves its OEM partners throughout the entire print process.

KEY FEATURES

Exceptional print quality • Lightning speeds • Easy integration • Intuitive digital front end • Rapid start up • Robust build • Extended print runs • Multi-shift use • Electronic printhead positioning • Auto color registration • Fast printhead maintenance and replacement • 4 times nozzle redundancy • Advanced aerosol extraction • Media path tension control • Dryer intensity control • Temperature and humidity monitoring • Cloud-based data capture • High value productivity insights.



DuraBolt 325C PrintEngine Specifications

Parameter	Specification
Color printing	CMYK
Ink type	Aqueous pigmented
Print width	324 mm (12.77 inches)
Print speeds / resolution	225 fpm at 1600 x 1280 dpi 450 fpm at 1600 x 640 dpi Additional modes available
Print engine dimensions	W: 506 D: 875 H: 440mm W: 19.9 D: 34.4 H: 17.3 inches
Print zone down-web	142 mm
Printhead to media spacing	Configurable and automated
Ink tanks	10 L default, 55 L option
Printhead life	Up to 240 L per printhead
Ink delivery system	Included
Digital Front End SW	Integrated Xitron RIP and controller
PC server	Preconfigured from Proactive
Communication protocol	ModBus TCP
Interactive HMI / system dashboard	Integrated into DFE
Media profile library	Included
Splice detection and response	Optional
Duplexing controls	Optional
Dryer control	Adphos option available
Maintenance modes	Configurable and automated
Environment-based controls	Optional
Aerosol extraction	Included
MCS 2.0 Agent	Included



BEAUTIFUL PRECISION, SIMPLICITY and AFFORDABILITY

DURABOLT™

Ready-to-deploy Print Engine
4x Nozzle Redundancy

Print speeds up to
450 feet per minute

memjet®

Explore your Press Options
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