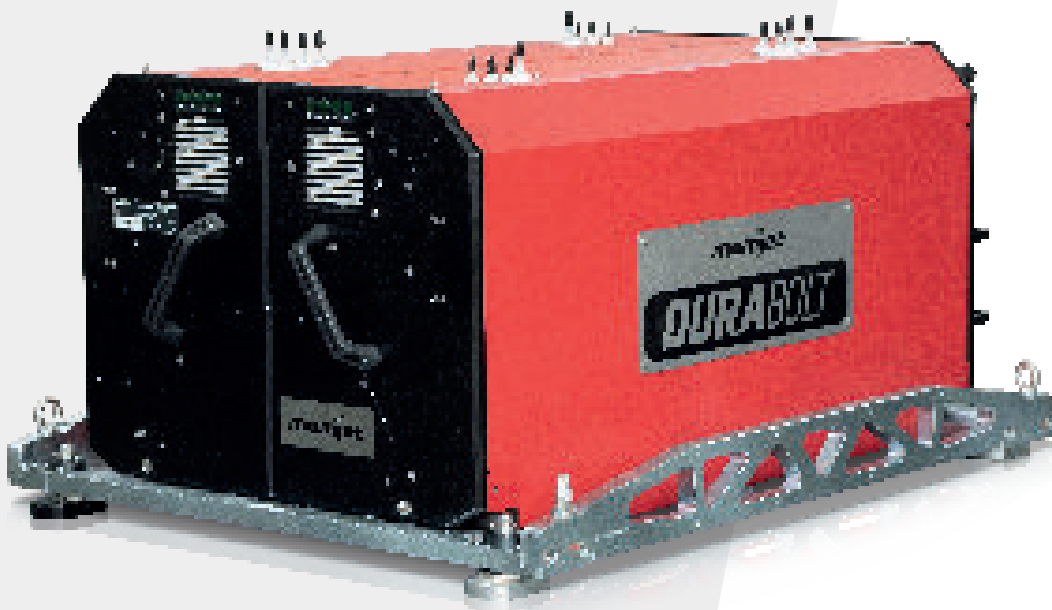


*We Are R&D*

# **DURA**BOLT™

*YOUR TURNKEY PRINT SOLUTION*



**memjet**®

*Beautiful Precision, Simplicity and Affordability*

## An Integrated Solution that Adds Value

*DuraBolt is a high-volume, highly configurable print solution designed to capture strong efficiency gains for OEMs 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 print engine that provides broad and customisable functionality at exceptional value. The DuraBolt technology delivers outstanding print quality across a wide variety of printing applications and is available in CMYK, monochrome and wide-media formats. Augmented by a sophisticated digital front end (DFE), DuraBolt is easily integrated into existing infrastructure to fast-track commercialisation.

### Maximise Speed and Quality with DuraBolt

DuraBolt technology is engineered for lightening speeds and outstanding print quality. When it comes to quality, DuraBolt delivers 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. Each model in the DuraBolt series houses a robust print engine with a flexible control system, precision performance and automated maintenance capabilities.

### Reduce Development Time and Costs

DuraBolt is a ready-to-deploy print engine that removes development costs, allowing OEMs to expedite commercialisation. With non-recurring engineering expenses out of the equation, DuraBolt reduces OEM investment expenditure and time-to-market. The engine's flexible design also means that it is easily reconfigured to serve multiple applications, markets and price points.

### Leverage Memjet's Advanced Printhead Technology

DuraBolt uses Memjet's proven proprietary printhead technology to deliver outstanding and consistent print quality. The flagship model, the 325C Tandem, has a twin head design that includes two 12.77-inch 'ThunderBolt' printheads. Each printhead can each jet up to 240 litres 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

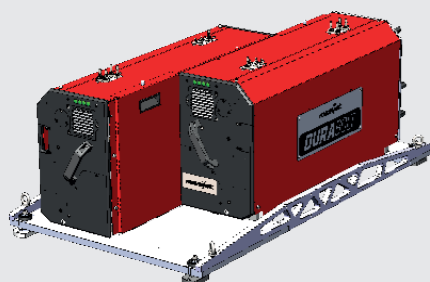
DuraBolt uses Memjet's durable pigment, fast-drying aqueous ink to deliver market leading image quality across a wide range of applications. An environmentally friendly and food grade ink, Memjet ink has been developed for safe use on food packaging and other indirect food contact applications. The water-based ink is free of hazardous UV ink components such as 4-methylbenzophenone, benzophenone and phthalate esters.

### The DuraBolt Series

DuraBolt Tandem



DuraBolt Bar  
(High-Speed Monochrome)



## Enhance Productivity with DuraBolt

*Easy to install, integrate, operate and maintain, DuraBolt has been designed to facilitate tangible productivity gains that drive OEM strategic advantage. 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 customised Human Machine Interface for intuitive dashboard control.

### Cross Platform Functionality and Productivity

Further productivity gains come from the ease at which DuraBolt can shift from one function to another. From printing packaging to direct film or envelopes to product manuals, the shift from one print run to another is extremely fast. Automated printhead calibration and maintenance means image quality is retained from job to job with less than a minute downtime to run the cleaning cycle. The print engine's rapid start up cycle aids the process as does automated printhead positioning, which is controlled by the job profile.

### 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. DuraBolt is also easily scaled to meet growing demand given the straightforward addition of extra functionality.

### Suitable to a Wide Range of Applications

The DuraBolt print engine is a multipurpose print solution that serves numerous market segments. 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, industrial applications and packaging items such as labels and folding cartons. One solution for multiple applications means less infrastructure and lower costs.

### 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.

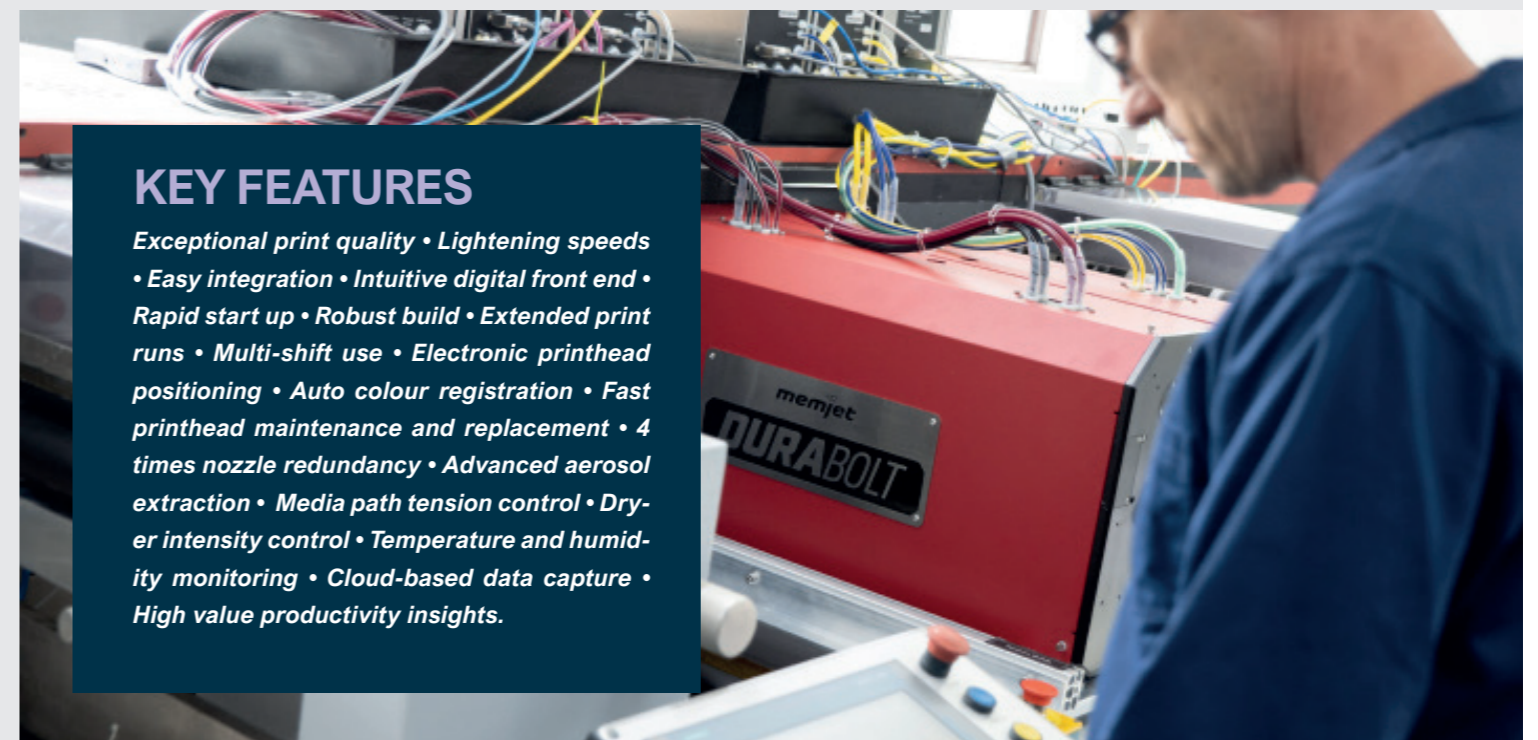
## KEY FEATURES

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 colour registration • Fast  
 printhead maintenance and replacement • 4  
 times nozzle redundancy • Advanced aerosol  
 extraction • Media path tension control • Dry-  
 er intensity control • Temperature and humid-  
 ity monitoring • Cloud-based data capture •  
 High value productivity insights.



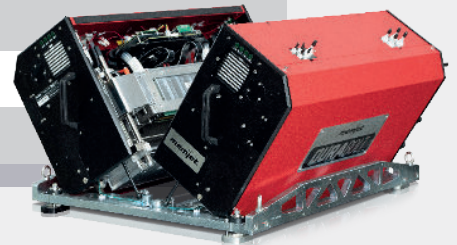
Seeing is Believing.

Watch Memjet® technology in action at [Memjet.com/technology](https://www.memjet.com/technology)



## DuraBolt 325c PrintEngine Specifications

Parameter	Specification
Colour 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 performance data tracking	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  
[memjet.com/technology](http://memjet.com/technology)