

VariJET 106

DIGITAL PRINTING FOR
INDUSTRIAL FOLDING CARTON
PRODUCTION



WHY DIGITAL & HYBRID?



- Fast
- Flexible
- Customised
- Stable
- Sustainable
- High-quality
- Profitable
- Market-oriented
- Industrial
- Productive
- Versatile
- Variable

THE NEW GENERATION OF DIGITAL PRINTING SYSTEMS, EQUIPPED WITH WATER-BASED INKJET TECHNOLOGY FROM DURST.

The VariJET 106 marries the time-tested press engineering of the Rapida 106 with the latest generation of single-pass printing technology from Durst, a leading supplier in the field of inkjet printing.

This technology enables the two companies to offer solutions to meet future challenges in folding carton production. At the same time, users are presented with a whole host of new business opportunities: Infotainment packaging which enables links to the virtual world, folding cartons with local

references or for different distribution channels, seasonal or target-group-specific packaging. There are practically no limits to the possibilities. With the VariJET 106, you can implement the innovative ideas of brand owners and packaging designers. In addition, the VariJET 106 pairs the strengths of digital inkjet printing with those of the classic offset process and inline finishing in a single production system.

For print products with added value.
For the folding carton market of the future.

PIONEERING NEW DEVELOPMENTS CHARACTERISE THE VARIJET 106



HIGHLIGHTS

Developed on the basis of high-performance Rapida sheetfed offset technology, the VariJET 106 addresses the particular demands of digital folding carton printing. Its hybrid functionalities contribute to a unique overall concept for folding carton production, integrating additional offset printing options, high-quality finishing and even die-cutting into an inline process.



DIGITAL PRINTING IN OFFSET QUALITY

PERSONALISED AND CUSTOMISED PRODUCTION

WATER-BASED INKJET

- Seven colours for achieving an extensive colour spectrum
- Inkjet pre-treatment unit
- Post-inkjet coating unit
- Pre-treatment printing unit
- Fuji Dimatix Samba print heads with variable droplet size
- Automatic cleaning of the print heads
- Sheet transport using a stainless steel suction belt
- Register accuracy thanks to the exactly defined clearance between substrate and print heads

OPERATING CONCEPT

- Press control via a console with touchscreen interface
- Integrated error diagnosis and remote maintenance
- Inline quality monitoring and control
- Inkjet print heads can be replaced by the operator
- Standard offset components mean familiar substrate handling

Technical data**Sheet format**

Maximum	750 x 1,060 mm
Minimum	540 x 750 mm

Print format

Maximum	720 x 1,037 mm
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Substrates¹

Standard	0.2 – 0.8 mm
Gripper margin	10 mm
Printing speed	5,500 sheets/h

¹ The flexural rigidity of the substrate is a decisive factor in suitability for printing.

**FINISHING**

- Matt and gloss all-over/spot finishes with dispersion and UV coatings
- Energy-saving IR/hot-air drying with VariDry^{Blue}

HYBRID CONCEPTS FOR THE VARIJET 106:

- Incorporation of the CutPRO X for rotary die-cutting
- Several combined flexo units for high-end finishing of print products

THE BEST OF TWO WORLDS

FOR THE PACKAGING OF THE FUTURE

With the VariJET 106, you are ideally equipped for the folding carton production of the future. You can combine the best of digital and conventional print with various forms of inline product refinement. As a modular system, the VariJET 106 can be configured exactly the way you require for your particular production needs.

The future demands of brand owners are satisfied to the maximum extent possible:

- **Personalised and individualised print products**
- **Constant print quality**
- **Diverse finishing options also for ultra-short runs**

TECHNICAL BASIS:

- **Modular integration of upstream and downstream processes into a single press line.**
- **Combination of digital print with proven modules of the Rapida platform**
- **Perfect register accuracy thanks to inline production**
- **Inkjet system in cooperation with Durst - a leading supplier in the field of digital printing**

YOUR BENEFITS AT A GLANCE

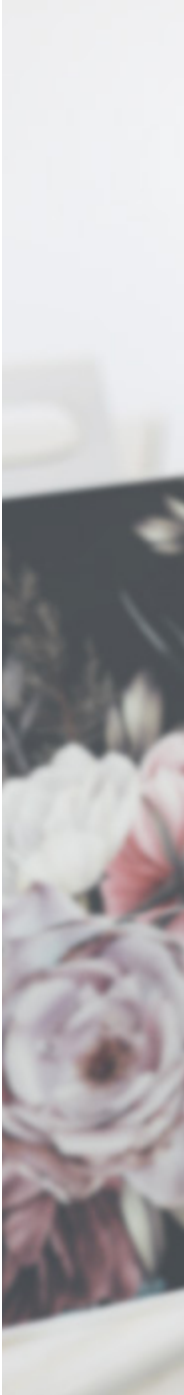
- **Cost reduction through economically efficient production, also for ultra-short runs**
- **Saving resources**
- **Reductions in storage costs and waste**

- **Absolute flexibility with regard to test packaging and new designs or campaigns**
- **Faster response to market demands: Adaptation of packaging at the last minute**
- **Economical production of packaging with high regional and seasonal diversity**
- **Print-on-demand for optimisation of the supply chain**
- **Strengthening of customer ties**

Declining run lengths and the interactions of various current trends are leading to ever shorter production times. Brand image enhancement is becoming increasingly dependent on online trading success and new business models for customer contact. Increased expectations in terms of sustainability and traceability also result in greater complexity in folding carton production.

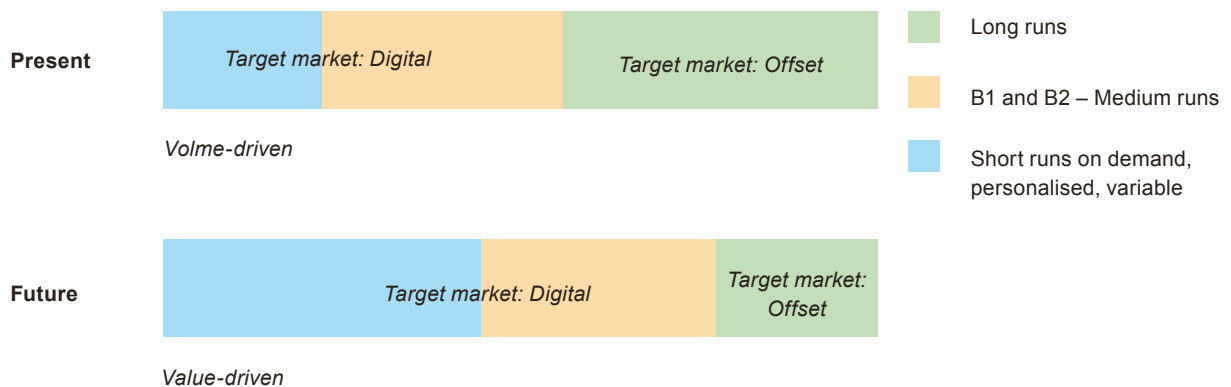
In conjunction with a growing desire for channel-specific packaging and advertising campaigns, as brand owners seek differentiation in a competitive market, these developments feed the demand for more and more packaging variants with special features. With a cost-effective digital solution, folding carton producers are now able to benefit from such trends by offering their customers a whole new spectrum of products and services.

THE VARIJET 106 IS THE OPTIMAL
RESPONSE TO THE MEGA-TREND OF
MASS CUSTOMISATION





PERSONALISED, VARIABLE PRINT PRODUCTS ARE THE FUTURE. AND THE VARIJET 106 IS YOUR IDEAL MEANS OF PRODUCTION FOR THIS.



Koenig & Bauer Sheetfed AG & Co. KG

Friedrich-List-Str. 47

01445 Radebeul, Germany

T +49 351 833-0

F +49 351 833-1001

radebeul@koenig-bauer.com

koenig-bauer.com

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