

KOENIG & BAUER

# RotaJET VL-Series



we're on it.

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# RotaJET VL-Series



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The RotaJET VL-Series is top of the class in industrial inkjet printing and is one of the most high-performing inkjet digital systems on the market. The RotaJET 168 covers web widths from 1300 mm to 1680 mm whilst the RotaJET 225 processes even wider webs up to a maximum width of 2250 mm – the top-notch RotaJET system.

Designed for decor printing and similar applications, the RotaJET VL-Series also addresses interesting growth areas in the packaging industry. With a productivity rate of 18,000 m<sup>2</sup>/hour, the RotaJET VL-Series sets the benchmark in industrial digital printing. The system fulfills the high demands posed by difficult substrates and enables a diverse range of printing materials to be processed.

#### **Top inkjet print quality with the central cylinder**

Inkjet is the only real “non-impact” printing process used in practice. The substrate is guided around the central cylinder and under the printing heads with absolute precision, evenness and 100% stability.

#### **Automatic reel splicers**

Various automation levels simplify your material logistics and streamline the processes involved with your reel handling.

The standard RotaJET 168 is designed with a PATRAS M reel transport system, an automatic Pastomat C 1760 reel splicer and an automatic



The integrated operator console blends in nicely with the ultramodern design

rewinder. The jumbo version RotaJET 225 is supplied with a PATRAS A fully automatic reel transport system to guarantee efficient, reliable and productive handling of all reels. The Pastomat CL 2520 automatic reel splicer and an automatic rewinder are also common to the RotaJET 225 configuration.

With such components and other features such as fully automatic webbing up with a chain, Koenig & Bauer is linking high-performance features from its offset range of presses with the variability and flexibility of digital printing.

#### **Pre-coating station**

The application of RotaColor control fluid in the pre-coating station will considerably expand the range of substrates you can use.

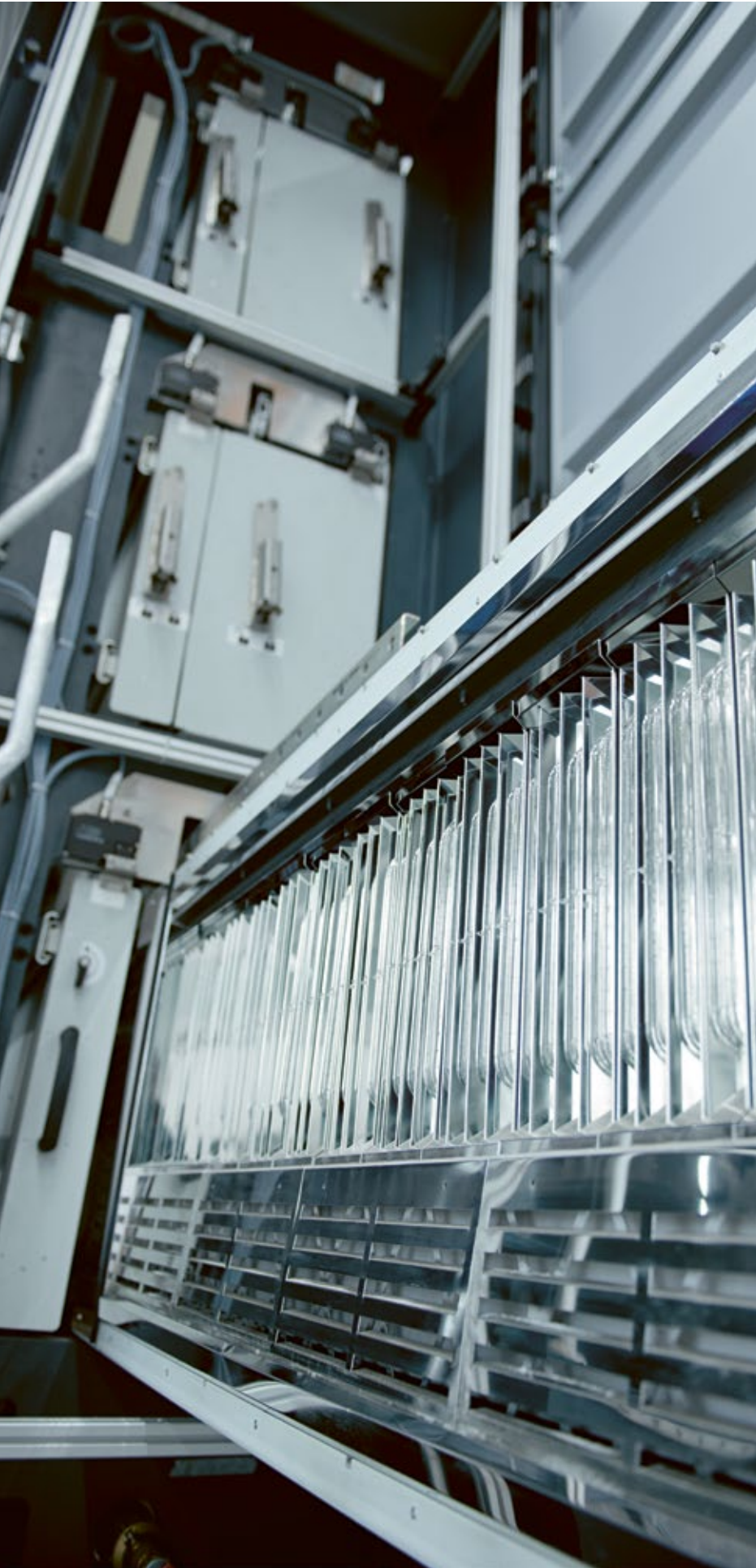
#### **Dryer and integrated cooling system**

Intelligent, low-energy dryers and an integrated cooling system facilitate the dynamic change-over from high to low levels of ink coverage. Drying at very low temperatures will give you an exemplary energy balance. The integrated cooling system reduces the temperature of the substrate efficiently and guarantees more reliable and easier online finishing.

#### **Flexible and scalable XLO workflow**

The XLO workflow, based on Adobe APPE architecture, offers sufficient RIP performance so that the RotaJET VL-Series can be run at top speed. If your data volume or application field should change in the future, the XLO workflow can be upgraded to meet your production demands.





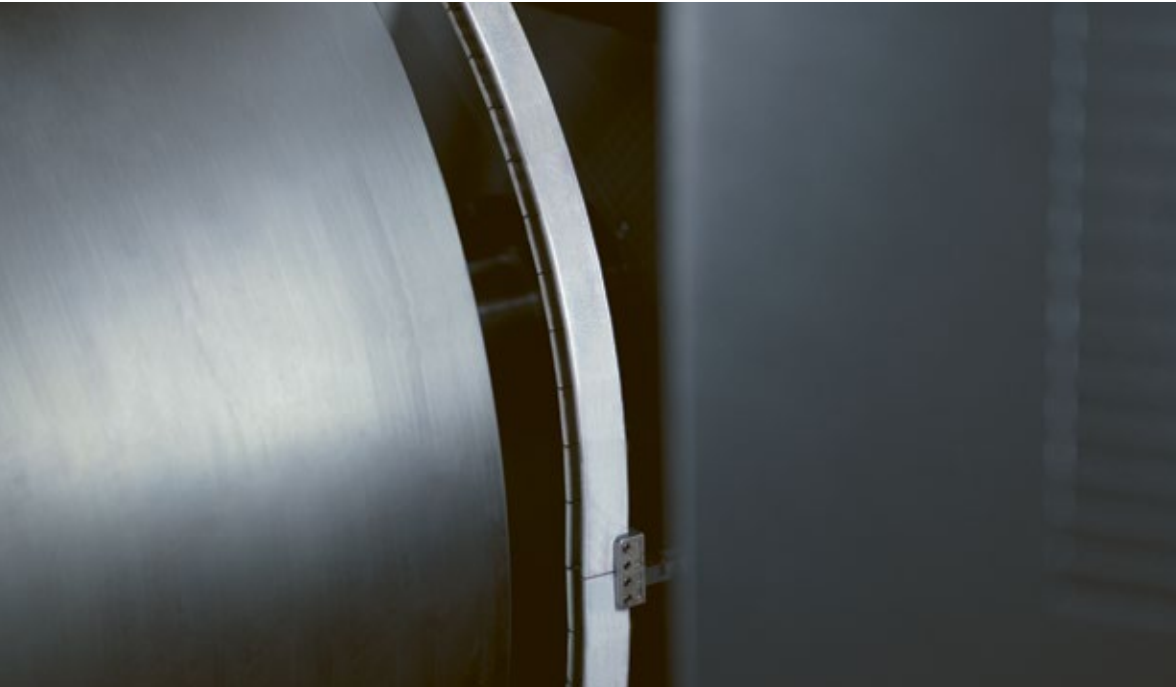
**Decor – process optimisation  
and new business**

The RotaJET VL-Series impresses with high levels of productivity and efficiency together with outstanding quality. Thanks to the superior print array design, the system yields optimum colour precision, job-to-job repeatability, an equally excellent fastness of colour and resistance to light. Extended frame lengths of up to 5080 mm are optionally available to enable laminate finishing using standard processes.

Equipped with a decor package, the RotaJET VL-Series enables industrial digital printing of decor paper for a diversity of uses:

- Laminates for flooring
- Panels for walls and ceilings
- Furniture production
- Work surfaces and doors

**Dynamic change between  
high and low area coverage  
through intelligent  
low-energy dryers and an  
integrated cooling system**



**The central cylinder ensures 100% substrate stability.**

The RotaJET VL-Series offers decor printers more flexibility. Your customers will look forward to being able to order smaller batches of a newly developed product series, for market tests or for niche products. With a massive reduction in makeready times, more decors can be printed in a shorter time whilst allowing a faster time to market. Industrial digital printing is also promoting efficiency enhancements in rotogravure printing by releasing printing capacity on those presses and making “long run” production more profitable.

## New designs open up new markets!

The inkjet RotaJET VL-Series provides considerable potential for new business. Digitally printed decors will augment your product range. With a digital system you can print decors which are technically not possible using conventional printing methods..

### **Packaging**

The trend towards an even greater diversification in consumer goods is again posing a huge challenge to today’s packaging printers and corrugators.

The RotaJET VL-Series is the right solution for laminating top sheets. The web widths of the RotaJET VL-Series address a wide spectrum of applicable formats in packaging. Flying job changes enable the highly efficient production of shorter runs, making “special interest” and personalized packaging possible and feasible.

### **Individual industrial solutions**

Tap into new business opportunities!

- Customer-oriented, tailor-made solutions
- Individual and special applications
- Substrates difficult to print or of high grammage
- Competitive printing of smaller print batches
- Print more than just run-of-the-mill formats

# Technical data

## RotaJET VL-Series

<b>Performance data \ System</b>	<b>RotaJET 168</b>	<b>RotaJET 225</b>
Max. web speed (m/min):	135	135
Min. web width (mm):	840	1125
Max. web width (mm):	1680	2250
Max. print width net (mm):	1673	2243
Cut-off length	variable optional up to 5080 mm	vvariable optional up to 5080 mm
<b>Web lead</b>		
Reel transport system	PATRAS M	PATRAS A
Standard unwinder	Pastomat C 1760	Pastomat CL 2520
Standard rewinder	autom. rewinder 1700	autom. rewinder 225
<b>Printing heads</b>		
Printing head technology	Piezo-electrically modulated DOD inkjet printing heads	
Print resolution	600 dpi native, variable droplet sizes, optional 1200 dpi	
Stitching	automatic alignment of printing heads in array	
<b>Inks</b>		
	RotaColor waterbased polymer pigment inks	
<b>Dryer</b>		
	NIR infrared high performance dryer	
<b>Workflow/communications</b>		
	Adobe APPE-based native PDF workflow, JDF standard for press line intercommunications and integration of third-party systems (post press)	
<b>Options</b>		
	<ul style="list-style-type: none"> <li>• PATRAS A (fully automatic reel logistics)</li> <li>• RotaColor Control Station (pre-coater)</li> <li>• DFE Extension</li> <li>• Seamless Print</li> <li>• Extended Frame Length</li> <li>• Decor Option</li> </ul>	

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