

KOENIG & BAUER

RotaJET L-Series High Volume Inkjet



we're on it.



RotaJET L-Series

The most flexible high-volume inkjet system on the market for commercial and industrial applications

Upgradeability

Customization and flexibility has a name: The RotaJET L-Series. Its modular design offers unique upgradeability and makes the RotaJET L-Series one of the most future-proof high-volume inkjet printing systems on the market, serving a wide range of different application fields.

Efficiency

The optimal combination of precision engineering, cutting-edge inkjet-head technology and RotaColor polymer inks achieves highly efficient digital printing results and – thanks to “Print@RampUp” – allows the production of good copies even during press start-up and ramp-down. Not only does this cut costly waste, it also enables faster job changes, enhances the efficiency of online finishing systems and reduces expenses.

Wide range of substrates

With its trendsetting inkjet printing technology, the RotaJET L-Series can print on a very wide range of substrates from lightweight stocks to carton. Koenig & Bauer is more than happy to advise you on the right substrates.

Substrate reel logistics

The reel logistics on this press range are also modular: The RotaJET 77 comes with an unwinder. An automatic reel splicer – as used in web offset press lines – is available as an option. Automatic reel splicers are standard on the wider versions of the RotaJET L-Series.

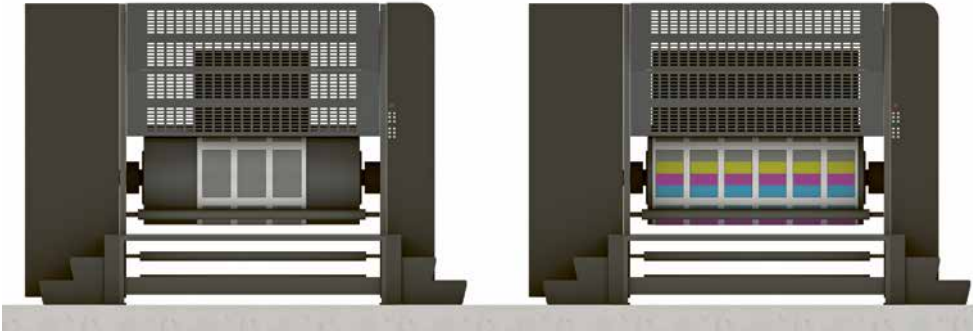
The autosplicer together with the PATRAS reel transportation system ensures rapid substrate changes, eliminates time-consuming make-ready processes and enhances the output of the RotaJET L-Series. The PATRAS system is also upgradeable and can be expanded to enable fully automatic handling of substrates at the push of a button.

Web guiding system

The optimized web guiding system ensures back-to-back colour printing without turner bars – a major benefit when printing on very low or high grammage stock. In addition, the system ensures that the printed web does not come into contact with guide rollers or any other components before it reaches the dryer, thus preventing ink set-off. The integrated



With its standard 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



All RotaJET L-Series presses share the same hardware platform and can be upgraded on site from a mono system with a web width of 777 mm to a 4C system with a max. web width of 1380 mm

automatic webbing-up system permits simple operation and excellent availability.

Pre-Coating Station

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

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. Thanks to superlative piezo-electrical inkjet technology, the RotaJET L-Series can yield an excellent print resolution of up to 1200 dpi. Together with 2-bit multi-level cell and variable droplet sizes this adds up to an outstanding reproduction quality.

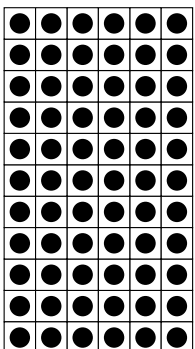
Dryer and integrated cooling system

Intelligent, low-energy dryers and an integrated cooling system facilitate the dynamic changeover 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.

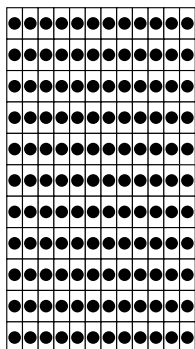
Flexible and scalable XLO workflow

The XLO workflow is based on Adobe APPE architecture. Whether printing short runs or highly personalized direct mail, the XLO offers sufficient RIP performance so that the RotaJET L-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.

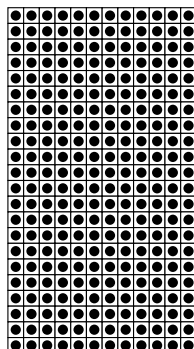
- Left: Conventional technology
- Centre: 2-fold higher resolution, maximum output for increased print quality
- Right: 4-fold higher resolution, maximum print quality of commercial print products at mid and high print speeds



600 x 600 dpi
Conventional Inkjet



1200 x 600 dpi
High Performance Output



1200 x 1200 dpi
High Quality Commercial



1/1 or 4/4 printing

Books

The RotaJET L-Series cuts publishers' process and secondary costs (waste, capital commitment, etc.) and enables efficient production of books and publications for on-demand delivery. Risks that accompany new publications are reduced. At the same time, delivery capability – especially of back-list productions – is boosted. With the RotaJET L-Series you can intensify your customer connectivity, increase your efficiency considerably and rise to the challenges of the market!

Direct Mail / Web-to-Print

Address your customers more individually – target-oriented and direct with intelligent personalized offers. With high acceptance levels from your end customers, it's worth integrating loyalty systems and uniting web and print in joint campaigns. High response rates will show a great improvement in customer retention levels.

The RotaJET L-Series fulfills market demands in terms of increasing variability, process simplicity and stability much better and more economically than the traditional combination of offset pre-print and digital imprint.

Create new concepts for connecting with your customers in the field of corporate publishing. Benefit from this and observe a significant improvement in your RoMI.

Newspapers / Magazines

With the RotaJET L-Series you will find new ways of retaining your customer base and winning new customers whilst performing economically and efficiently on the market.

- Optimize your newspaper production with variable formats, flexible page jumps, classic newspaper and semi-commercial products on one press.
- Expand your product range economically by printing highly localized small print runs ("microzoning") and personalized small batches.
- Hybrid production – combine lower-cost high-volume offset prints with clever multi-format digitally printed products with content especially geared to your customers' needs.
- Increase your efficiency by printing contract newspapers and additional products for reader campaigns.



4/0 printing

Decor

Laminates for flooring, wall panels, ceilings, work surfaces, doors or for use in furniture – industrial digital printing on decor paper is indeed very varied.

The RotaJET L-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 while 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.

Digitally printed decors from the RotaJET L-Series will augment your product range. With a digital system you can print decors which are technically not possible using conventional printing methods. New designs will open up new markets!

Packaging

The RotaJET L-Series is ideal for printing low volumes in the field of packaging or in

corrugated production. The web widths of the RotaJET L-Series address a wide spectrum of applicable formats in packaging. Flying job changes enable you to produce shorter runs highly efficiently, making “special interest” and personalized packaging possible and feasible.

Individual industrial solutions

Implement customer-oriented, tailor-made solutions for individual and special applications on difficult-to-print or high-grammage substrates. With the RotaJET L-Series you can offer smaller print batches competitively. And above all you can print more than just your run-of-the-mill formats, thus tapping new business opportunities.

Combat declining circulations by developing new business models

Technical data

RotaJET L-Series

Performance data/System	RotaJET 77	RotaJET 95	RotaJET 102	RotaJET 112	RotaJET 121	RotaJET 130	RotaJET 138
Max. web speed ¹ (m/min):	150 m / 300 m	150 m / 300 m	150 m / 300 m	150 m / 300 m	150 m / 300 m	150 m / 300 m	150 m / 300 m
Min. web width (mm):	400	475	510	560	605	650	690
Max. web width (mm):	777	950	1020	1120	1210	1300	1380
Max. print width net (mm):	770	943	1013	1113	1203	1293	1373
Cut-off length	variable	variable	variable	variable	variable	variable	variable
Web lead							
Reel transport system	PATRAS M						
Standard unwinder	unwinder	Pastoline	Pastoline	Pastomat C 1280	Pastomat C 1280	Pastomat C 1280	Pastomat C 1760
Optional unwinder	unwinder	Pastoline	Pastomat C 1280	Pastomat C 1280	Pastomat C 1760	Pastomat C 1760	Pastomat C 176
Standard rewinder	rewinder	850	850	1320	1320	1320	1700
Printing heads							
Printing head technology	Piezo-electrically modulated DOD inkjet printing heads						
Print resolution	1200 dpi native, variable droplet sizes						
Stitching	automatic alignment of printing heads in array						
Inks							
	RotaColor waterbased polymer pigment inks						
Dryer							
	NIR infrared high performance dryer						
Workflow/communications							
	Adobe APPE-based native PDF workflow						
	JDF standard for press line intercommunications and integration of third-party systems (post press)						
Options							
	<ul style="list-style-type: none"> • PATRAS A (fully automatic reel logistics) • 4C Printing Upgrade (Commercial) • Seamless Print (Industrial) • Speed Upgrade • Thin Substrate Kit • Thick Substrate Kit • RotaColor Control Station (Pre-Coater) • DFE-Extension • Online Post Press Interface • Extended Frame Length (Industrial) • Decor Option (Industrial) 						

¹ dependant on printing head specifications

