KOENIG & BAUER

Rapida 145/164: The peak performance class in large format

we’re on it.

Rapida large-format: Peak performance – redefined

It is not without reason that Koenig & Bauer is acclaimed as the market and technology leader in large-format sheetfed offset. Many ground-breaking innovations originated from Koenig & Bauer and are still unique today. The presses of the Rapida 145 and Rapida 164 series set the standards in their respective format class. High production speeds, fast makeready and precise inline quality control systems form the basis for efficient and profitable production.

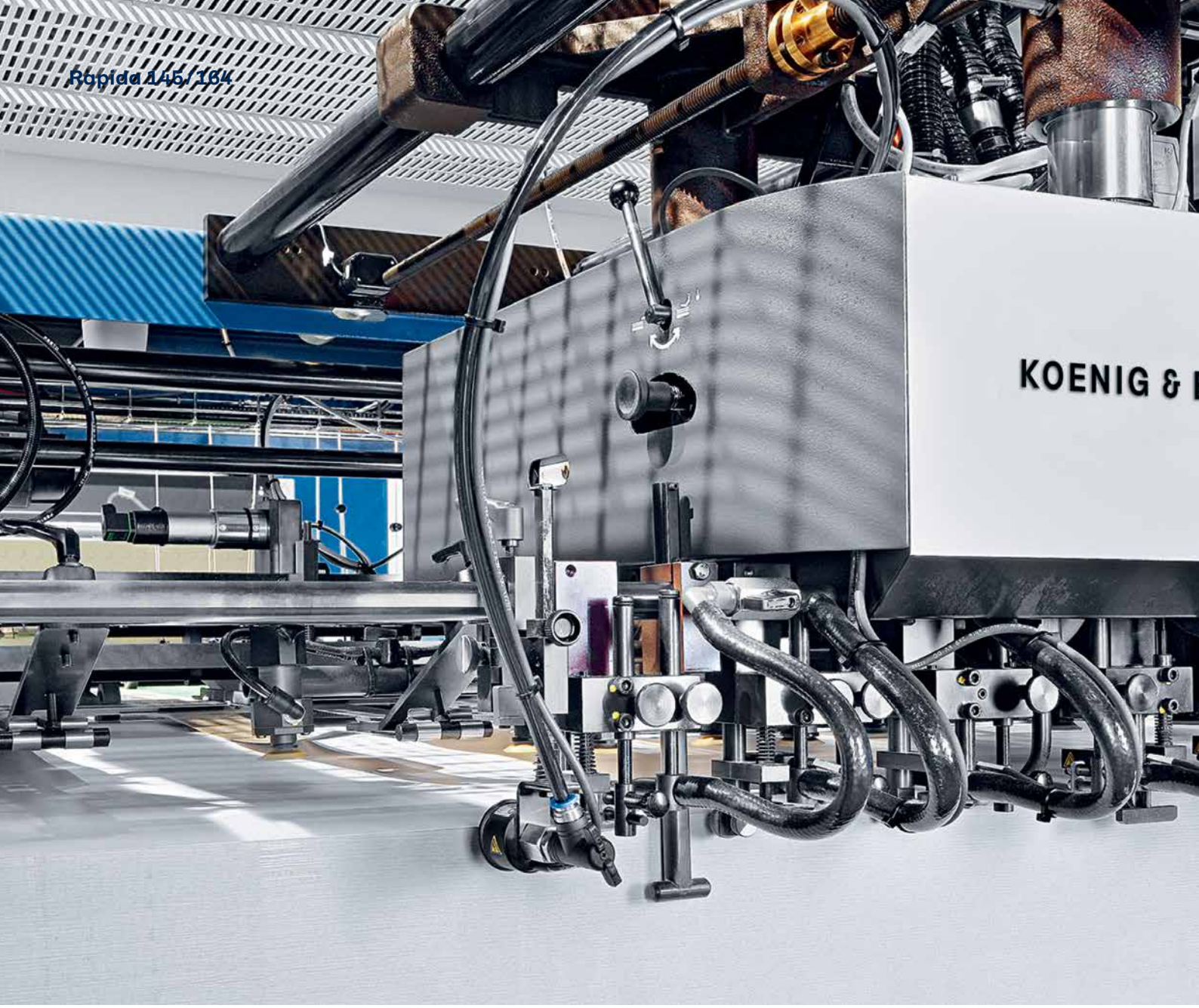
Increasing individualisation is resulting in even shorter run lengths for both commercial and packaging printers. With their diversity of automation and equipment variants, the large-format Rapidas offer an ideal solution for both market segments and enable you to maximise your business success. At the same time, they also facilitate the economical printing and finishing of many special products.

At the other end of the scale, high production speeds of up to 18,000 sheets per hour cater perfectly to the needs of users whose work revolves around long runs. Inline colour control and sheet inspection systems provide for constant and first-class print quality.

Even where space in the pressroom is limited, the large-format Rapidas are an optimum choice. They boast a significantly smaller footprint than their competitors for the same or even a slightly larger format. That reduces space and production costs. In buildings with low ceilings, too, you are well set up with a Rapida 145 or Rapida 164.

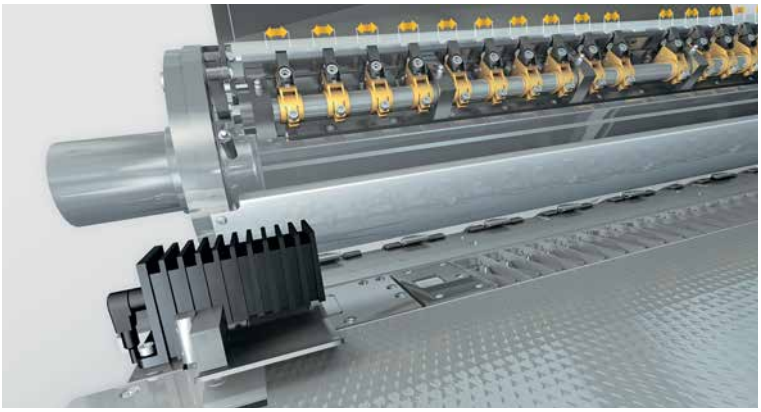
Koenig & Bauer large-format presses are furthermore much lighter than you might expect. And with less weight to support, you can save the money which would otherwise be spent on construction work in preparation for installation.

From whichever angle you look at it, this is large-format technology which is sure to capture your imagination.



DriveTronic feeder: Perfect harmony in function and performance

The DriveTronic feeder handles practically the whole substrate range – from paper to heavy board – with a universal setting. The extensive preset capabilities provide for near-perfect settings immediately after job changeover. Smooth and reliable sheet transfer can also be taken for granted when running at maximum production speed.



With the sidelay-free infeed DriveTronic SIS, the large-format Rapidas incorporate a unique makeready-saving feature. The time for alignment of the sheet is extended, alignment accuracy increases and marking on the sheet becomes a thing of the past.

DriveTronic infeed
- Combined ultrasonic double-sheet detector for all types of substrate
- Automatic skew-sheet monitoring
- Sheet arrival timing control
- Skew-sheet sensors at the feed line
- Electronic pull distance monitoring
- Fine adjustments also possible during production

DriveTronic SIS
- Sidelay-free infeed
- No settings required
- Longer time for alignment at the front lays
- Reduced makeready time
- No marking of the sheet
- Fewer interruptions to production
- Higher productivity

DriveTronic feeder
- Motion functions controlled via four servo motors
- Continuous, stepless pile lift with automatic adaptation of the rate of lift for the most varied substrates
- Automatic format setting
- Automatic pile side edge alignment
- Antistatic loosening and blower air
- High-performance feeder head of the latest generation
- Fully automatic height regulation and reliable compensation of any curvature in the top surface of the pile
- Pile height control can be switched to the front-edge sensor during production
- Simple handling thanks to universal settings for practically all substrates
- Mechanical double-sheet detector (multiple sheets)

Suction-belt feed table
- 2 wide, flush suction belts
- Timed, multi-chamber vacuum system
- No top guides, brushes or rubber rollers
- No need for manual adjustments

Printing units – The key to high quality

Fundamental to the printing units of all Rapida presses is a sub-structure frame cast in a single piece for maximum torsional rigidity. The double-size impression cylinders and transfer systems run in multiple-row antifriction roller bearings, whose absolutely play-free setting provides for ultimate quiet running and precision.

The high repeat accuracy of the Rapida ink ducts can be attributed firstly to the bleed-free ink metering, but at the same time also to the overall inking unit design, which allows optimum dissipation of the heat from the rollers.
A further effect is fast attainment of an ink-water balance, which then remains stable even over longer runs. Waste is reduced accordingly.

Drive concept
- Continuous gear train free of sources of vibration
- Play-free cylinder bearings for quiet running and precision

Venturi sheet guiding
- Venturi sheet guiding concept for contact-free sheet transport
- Blower-air modules before impression zone with closed guide surface to prevent slapping
- Comb suckers ahead of the impression cylinders
- Mechanical guide plates after impression zone for standard and heavy board
- Transfer systems without drum shells
- All settings entered and controlled via the ErgoTronic console
- Universal gripper systems require no settings for different substrates

Ink duct
- Flexurally rigid, ceramic-coated ink duct roller with large diameter
- Ink keys with carbide tips
- Ink duct roller speed follows the press speed
- No foil between the ink keys and duct roller
- Exact reproducibility, wear-free, makeready-free
- EasyClean ink duct plates for fast ink changes

Inking unit
- High repeat accuracy and production stability
- Excellent printing of solids
- Remote adjustment of oscillation timing and vibrator frequency
- Ink train separation
- Disengaging of unused inking units
- Very fast ink-water balance

Dampening unit
- Differential drive to eliminate hickeys
- Dampening forme rollers can be switched during production

Perfecting unit
- Three-drum system for exact perfecting register
- Full preset capability
- Fully automatic mode conversion
- Conversion parallel to other makeready processes

DriveTronic SPC: You cannot get faster than that

Plate changing on the large-format Rapidas can be automated to suit the user's individual requirements. You simply choose the solution which best matches your job structure – SAPC, FAPC or DriveTronic SPC. One thing is common to all three variants: Their reliable and intuitive handling.

Simultaneous plate changing with DriveTronic SPC even runs parallel to washing processes and thus no longer influences overall make-ready time.

SAPC (Semi Automatic Plate Change)
- Automated plate change
- Pneumatic opening and closing of the plate cylinder guard
- Automatic rotation to the change positions
- Automatic clamping and tensioning of the plate
- Change time: Less than 1 minute per printing unit

FAPC (Fully Automatic Plate Change)
- Fully automatic plate change
- Change process includes register zeroing
- Plate change completed in 3 cycles
- Parallel changing in several units
- Divided rear plate clamps
- Change time: 2:20 minutes for all printing units (straight presses)

DriveTronic SPC (Simultaneous Plate Change)
- Fully automatic plate change, simultaneously in all printing units
- Plate cylinder direct drive with dedicated high-torque motors
- Plate change parallel to other makeready processes
- No waiting time for register zeroing
- Change time: Less than 1 minute (all printing units), but effectively zero as parallel to washing

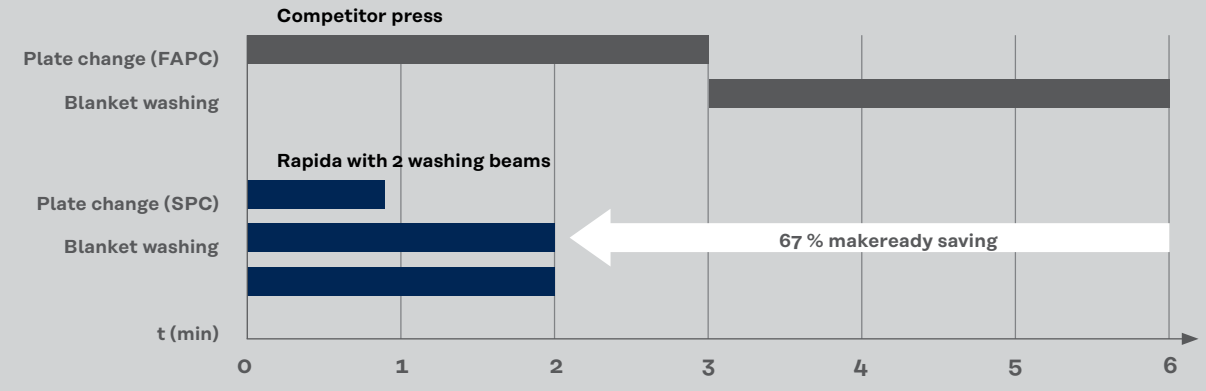
DriveTronic Plate Ident
- Optical plate detection during the change process (greater process reliability)
- Register correction already before the first print (makeready and waste savings
- Plausibility checks by way of data matrix code (job/plates, plates/printing units, units/colour separations)
- Automatic loading of presetting data controlled by data matrix code

ErgoTronic PlateStretch
- Pneumatic plate stretching for print length correction
- Compensation in radial and axial directions
- Controlled from the console while the press is running

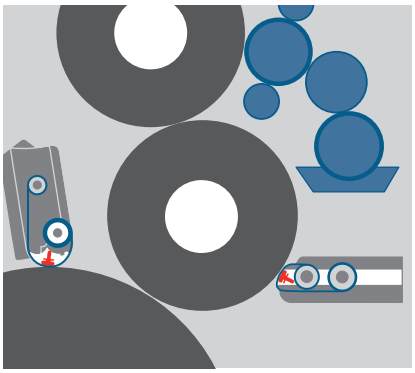
CleanTronic washing systems for outstanding washing results

The time spent on washing is a significant factor for press availability. With this in mind, the CleanTronic washing systems have been developed specifically for maximum environment-friendly efficiency. Here, too, a focus is placed on simultaneous processes. That shortens job changeover times and increases productivity.

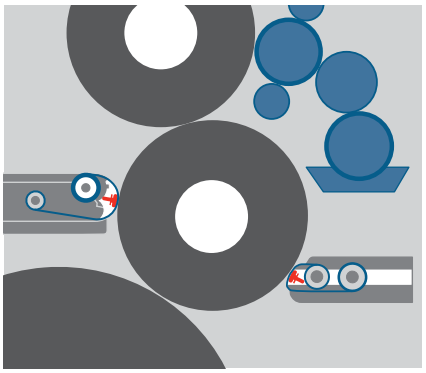
Comparison of simultaneous makeready processes



Blanket and impression cylinder



Blanket simultaneously with two washing beams



CleanTronic
- Multi-purpose washing system for blankets and impression cylinders
- Sequential washing with swing-action washing beam
- Washing programs can be defined and selected via the ErgoTronic console
- Washing cloth can be replaced during production
- Can also be combined with roller washing

CleanTronic Synchro
- Multi-purpose washing system for blankets, impression cylinders and rollers
- 1 fixed and 1 swing-action washing beam
- Parallel washing (blanket and impression cylinder or both beams applied to the blanket)
- Washing time reduced by up to 50%
- Washing programs can be defined and selected via the ErgoTronic console
- Washing cloth can be replaced during production

CleanTronic Multi
- For mixed conventional/UV production
- Three-media washing system (water, conventional and UV solvents)
- Fast system switching (conventional/UV)
- No manual cleaning of the solvent circuits
- Extreme makeready savings
- System and washing program selection as console functions

CleanTronic UV
- Permits blanket washing with the UV lamps in standby mode
- Eliminates waiting times before and after washing
- More efficient makeready
- Increased service life of UV lamps

CleanTronic SRW
- Disengaged ink rollers (separate drive or DriveTronic SPC)
- Roller washing parallel to blanket and impression cylinder washing, coating forme change or ongoing production

“Print Clean” function
- Targeted stripping of the remaining ink from plate and blanket
- Up to 50 sheets can be preselected to realise the function
- Reduced washing time
- Less blanket washing when printing short runs

Rapida large-format

DriveTronic coater: Automated coating forme and anilox roller changing

The Rapida coater already promises the fastest makeready on the market in its standard configuration. The times for coating forme changes lie significantly below those for comparable presses. In actual use, makeready time is reduced practically to zero with the DriveTronic coater, as all makeready processes can be handled simultaneously during plate changing or cylinder washing.

Coater
- High-flow chamber blade system with laser-engraved anilox roller
- Quick-action clamps and register pin system for coating plates
- Anilox rollers in lightweight design for fast and user-friendly exchange

Automated coating forme change
- Automatic cylinder positioning, plate clamping and tensioning
- Change time approx. 1:40 minutes
- Pressure setting and lateral, circumferential and diagonal register controlled from the ErgoTronic console

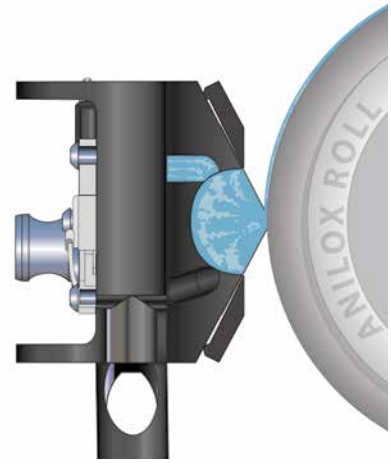
DriveTronic SFC (Simultaneous Forme Change)
- Coating forme change parallel to plate change, washing and ongoing production
- No additional makeready time
- On double-coater presses: Coater makeready can be handled on one coater while the other is in production
- Additional possibility to adjust the pressure between anilox roller and forme from the ErgoTronic console

AniSleeve
- Anilox rollers in sleeve design to accommodate frequent changes in the required thickness of coating
- One-man, tool-free sleeve exchange, also parallel to other makeready processes or production
- Change time less than 2 minutes

Coating supply
- Fully automatic system with console integration
- Cleaning can run parallel to other makeready processes
- Viscosity-controlled coating pump speed
- Available with two separate circuits for dispersion and UV coatings

Intelligent Viscosity Logic (IVL)
- Fully automatic monitoring of filling level
- Avoids sudden loss of coating and prevents the blade chamber running dry

HiFlow blade chamber
- Chamber volume reduced by approx. 70%
- Increased coating flow velocity
- Avoids coating starvation problems and reduces foaming
- Constant coating quality thanks to even pressure distribution and linear motion to the roller
- Automatic compensation of blade wear
- Basis for production speeds up to 18,000 sheets per hour

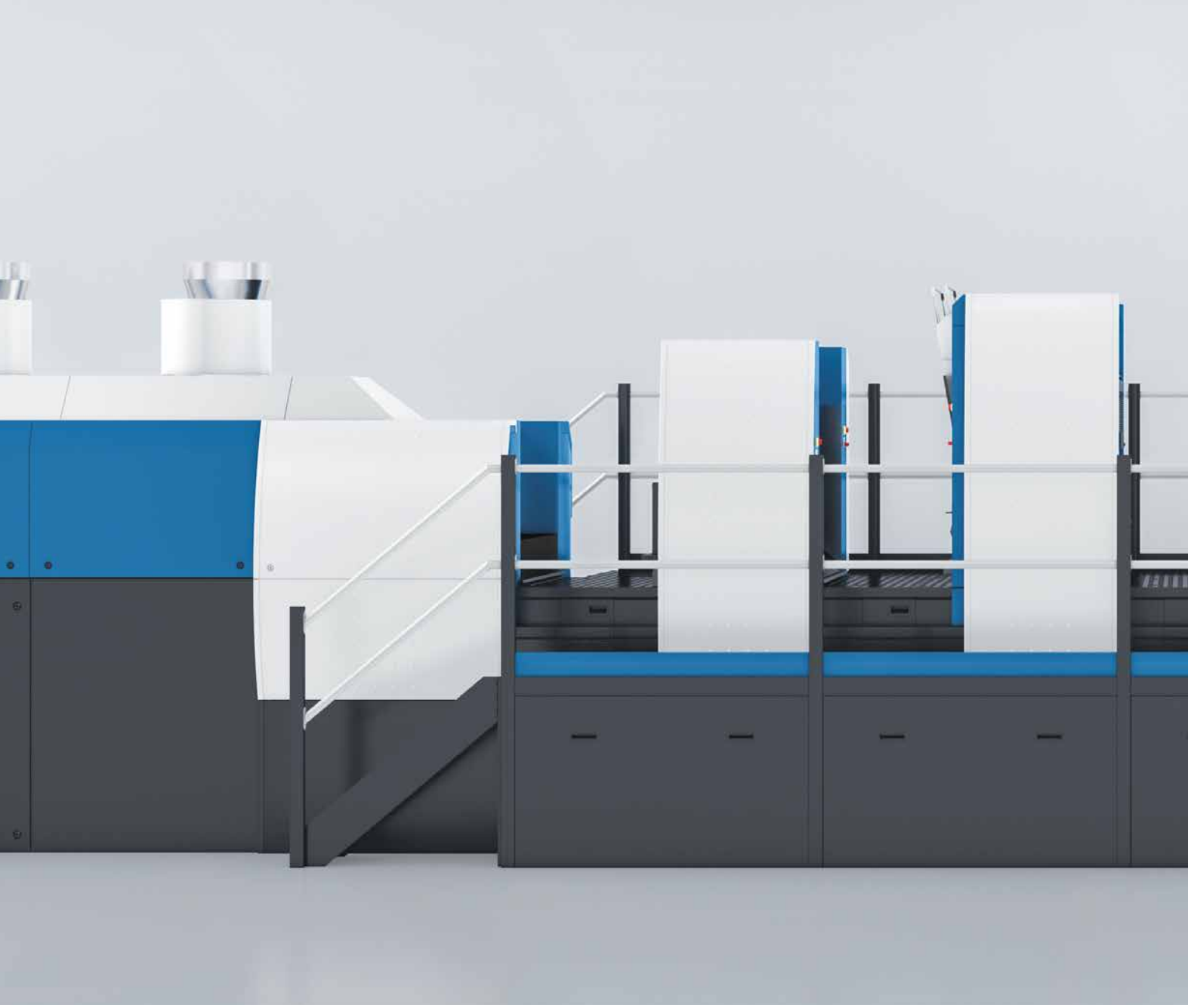


ErgoTronic console

- TouchTronic operating concept for intelligent and straightforward handling
- Wall screen for visualisation of all press settings
- Job changeover program JobAccess for fully automatic makeready processes
- Job profiles saved for repeat jobs
- Integrated measuring and control systems
- Integrated remote maintenance module with Internet link for remote maintenance and software updates
- Integration into production management system LogoTronic Professional

AirTronic delivery

- Full preset capability
- Aerodynamic gripper carriages for optimised air flows
- Intelligent sheet guiding solutions for commercial and packaging printing
- Sheet brakes for commercial and packaging production
- Speed-compensated and format-dependent powder metering
- Delivery extension for the installation of dryer modules
- Double-pile delivery (Rapida 145)
- Extraction system EES to eliminate potential emission hazards
- Specific non-stop solutions



VariDry dryer systems

- High-performance VariDry IR/hot air, VariDry UV, VariDry HR-UV and VariDry LED-UV dryers
- UV modules can be used flexibly as interdeck or final dryers
- Dryer control according to pile temperature
- Lamp replacement without tools
- VariDry^{Blue} technology for ultimate energy efficiency

Inline finishing

- Automated coating forme change
- DriveTronic SFC for simultaneous coating forme change parallel to other makeready processes or ongoing production
- AniSleeve: Anilox rollers in sleeve design for changing parallel to other makeready processes or ongoing production
- Remote setting of the pressure between anilox roller and forme
- Remote register adjustment
- IVL: Viscosity-controlled coating pumps
- Fully automatic coating supply

Washing systems

- CleanTronic: Multi-purpose washing system for blankets and impression cylinders with swing-action washing beam
- CleanTronic Synchro: Multi-purpose washing system for blankets, impression cylinders and rollers with two washing beams
- CleanTronic Multi: For mixed conventional/UV production
- CleanTronic UV: Blanket washing with the UV lamps in standby mode
- CleanTronic SRW: Roller washing parallel to blanket and impression cylinder washing, coating forme change or ongoing production
- “Print Clean” function to strip remaining ink from the plate and blanket

Plate change

- SAPC: Automated plate change
- FAPC: Fully automatic plate change
- DriveTronic SPC: Simultaneous plate change, parallel to other makeready processes
- DriveTronic Plate Ident: Pre-registration and plate identification directly on the press
- ErgoTronic PlateStretch: Pneumatic plate stretching to compensate print length differences

Perfecting

- Three-drum system for exact perfecting register
- Fully automatic mode conversion parallel to other makeready processes

Inking unit

- Maximum repeat accuracy through bleed-free metering in the ColorTronic ink duct
- Stepless adjustment of the oscillation timing from the control console during production
- EasyClean ink duct plates for fast ink changes
- Ink train separation with impression-off
- Individual disengaging of unused inking units
- Inking unit temperature control for duct roller and oscillating distributors
- Speed-compensated VariDamp film-type dampening unit

Printing unit

- Continuous gear train for smooth running and excellent precision
- Venturi air-cushioned sheet travel for contact-free sheet transfer
- Air settings can be set and saved at the ErgoTronic console for repeat jobs
- Universal gripper system accommodates all changes in substrate thickness
- Remote setting of lateral, circumferential and diagonal register from the ErgoTronic console
- Automatic setting of the substrate thickness
- Two-stage pneumatic impression on/off switching

DriveTronic SIS

- Sidelay-free infeed
- Longer period for sheet alignment at the front lays
- Gentle sheet positioning with the highest possible accuracy
- Integration into automatic format setting eliminates all need for operator intervention

DriveTronic feeder

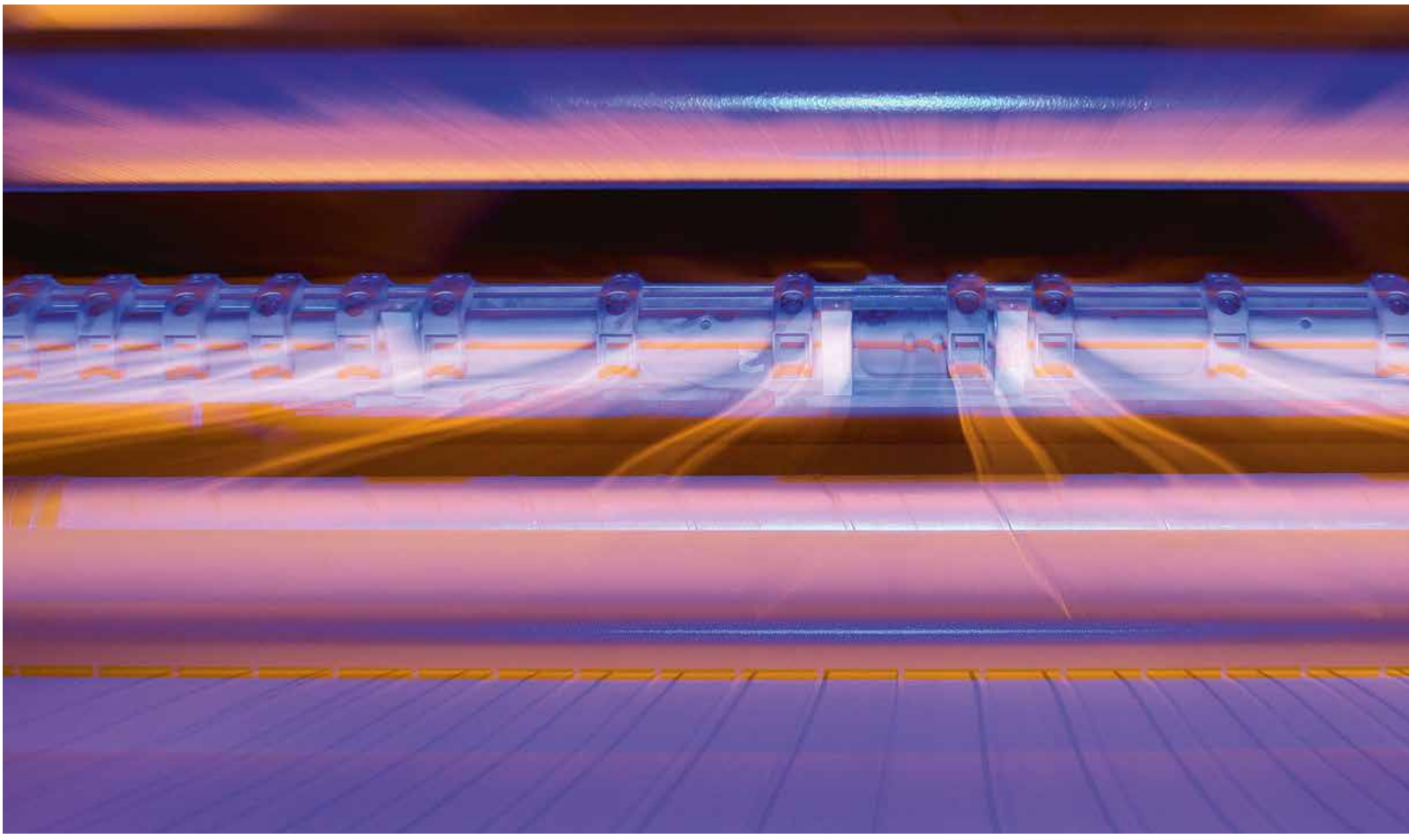
- Four electronically controlled dedicated drives for all motion functions
- Suction belt feed table with electronically controlled sheet deceleration
- Motorised remote adjustment with DriveTronic infeed for front lays, feed line and front lay cover height
- Touchscreen display with direct function keys for reliable and intuitive press operation
- Ultrasonic double-sheet detector for all substrates
- Non-stop systems for uninterrupted production

Benchmark in peak performance

VariDry dryer technology: For every eventuality

With the VariDry family of high-performance dryers, you can be sure of the best drying results – for both conventional and UV applications. The individual modules are matched perfectly to the press geometry and can be used with maximum flexibility for either intermediate or final drying.

The environment also gains: The energy-saving VariDry Blue system recirculates the still unsaturated dryer air and in this way reduces the necessary heating energy input. Depending on the job, you can save up to 30% compared to conventional dryer systems! Energy is used more efficiently and environmental impacts are reduced.

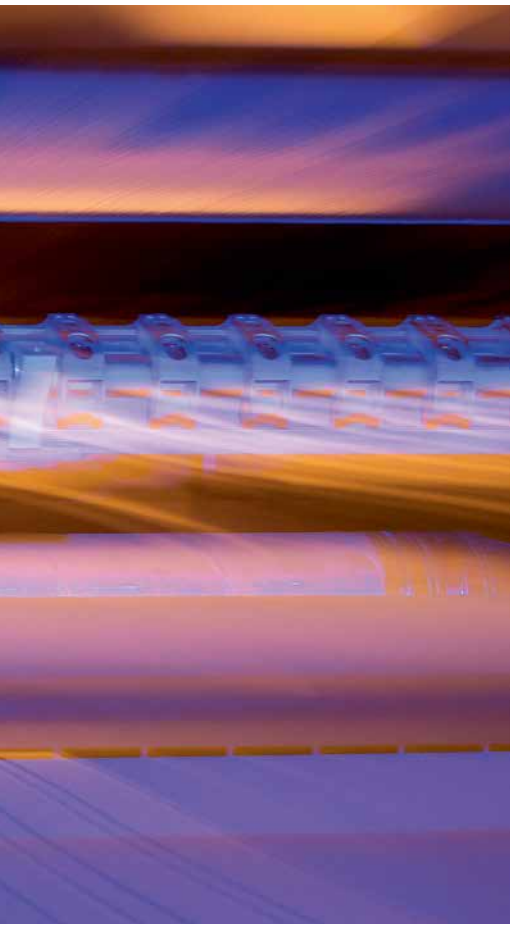


VariDry IR/hot air

- Stepless control for IR lamps and hot-air knives
- Can be used as final dryers or in dryer towers
- Carbon-twin lamps with an IR power rating of 80 W/cm
- Lamp replacement without tools
- Automatic pile temperature and dryer control
- Dryer expansion for HighSpeed Plus presses

VariDry Blue

- System variant for enhanced energy efficiency
- Energy saving potential of up to 30% compared to conventional IR/hot air dryers
- Recirculation of hot but only partially saturated air within the extended delivery
- Console integration



VariDry UV

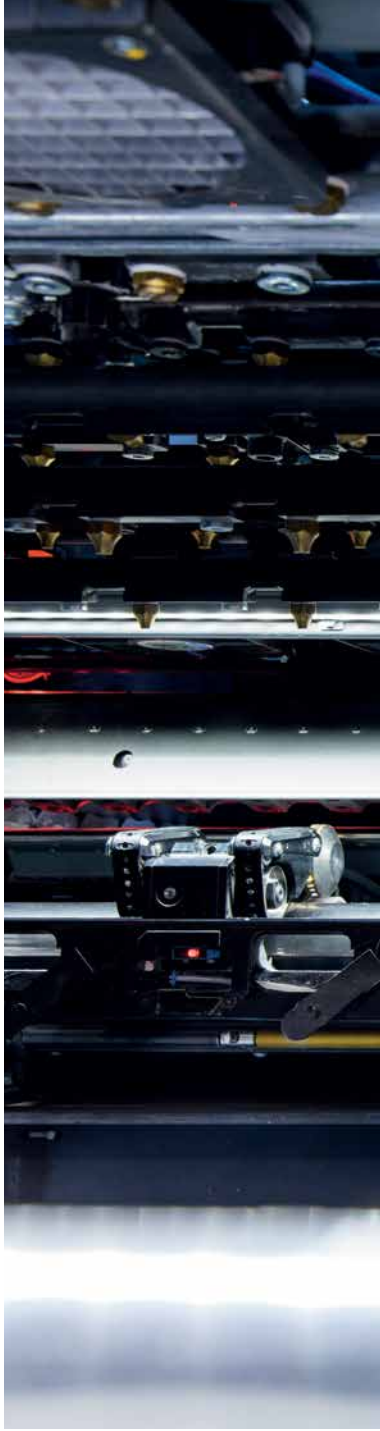
- Compact dryer module with a UV power rating of 160 W/cm and stepless control (optionally up to 200 W/cm)
- Modules can be used as interdeck or final dryers
- Lamp replacement without tools
- Automatic pile temperature and dryer control
- Operating hours counted for each individual lamp, irrespective of installation position
- CleanTronic UV to eliminate waiting times before and after washing

VariDry HR-UV

- Specially doped mercury lamps in a flexible modular system
- Exact matching to the highly reactive inks
- Stepless lamp control between 80 and 200 W/cm
- Reduced energy costs thanks to job-dependent setting of the lamp output
- A single HR-UV module is sufficient for the curing of up to 5 inks printed “wet-in-wet”
- Ozone-free HR-UV lamps eliminate the need for emission extraction systems in the delivery
- Reliable plug-in media connectors provide for simple and fast module exchange
- Universal dryer module design for use with different UV lamps

VariDry LED-UV

- UV lamps in flexible modular design, using light-emitting diodes
- No maintenance expense
- Wavelength matched exactly to special, highly reactive LED inks
- No warm-up phase and no standby mode necessary
- UV output can be matched to the format width and length
- Very long service life
- Mercury-free
- Minimal heat input into the substrate
- Same scope of applications as HR-UV dryers



AirTronic delivery: Productive and reliable

The AirTronic delivery of the large-format Rapida presses has been developed specifically for high-speed production on the most varied substrates. It stands out from the crowd with a consistently ergonomic operating concept and comprehensive preset capabilities.

All settings can be accessed from the ErgoTronic console. In addition, a touch panel at the delivery itself places key functions at the operator's fingertips.

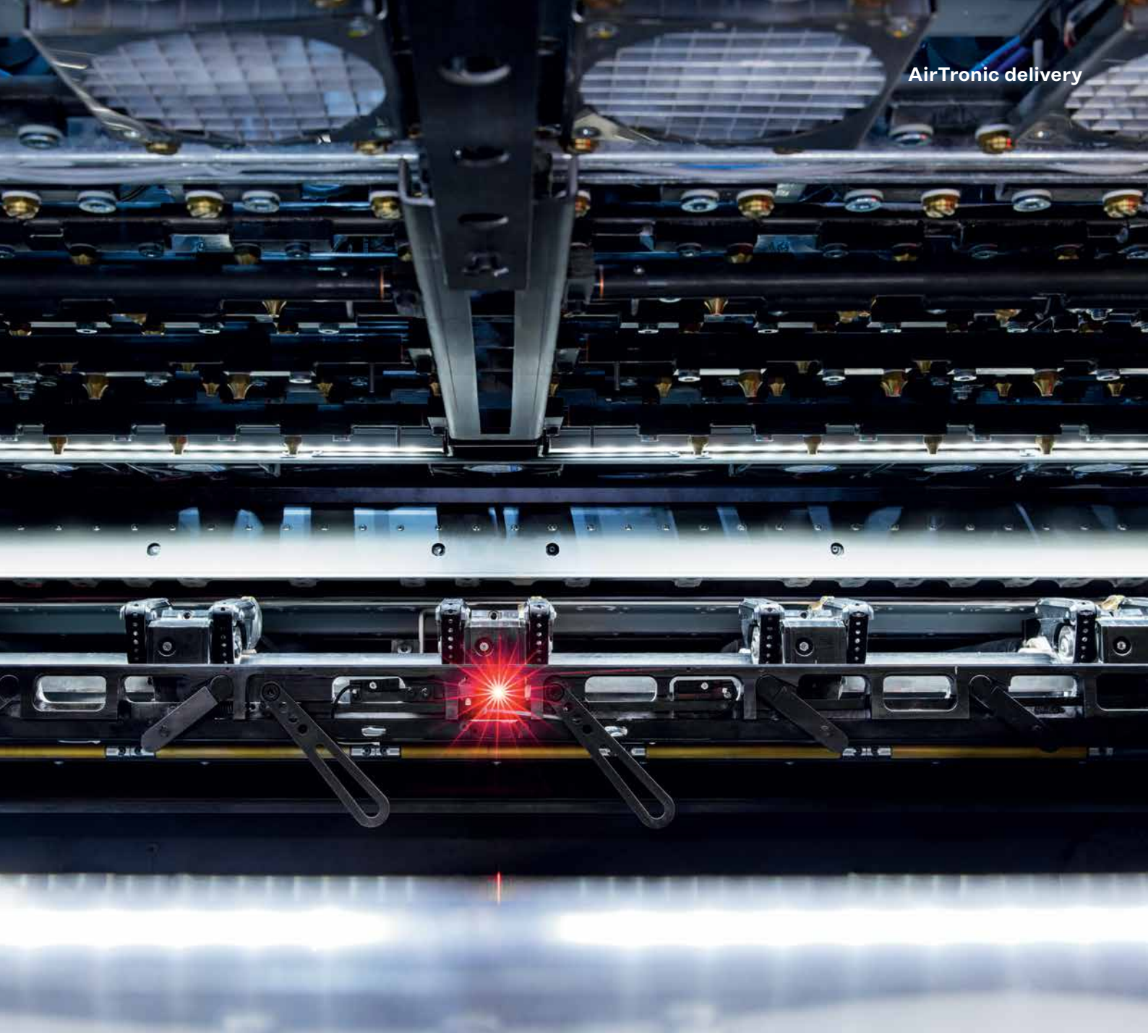
Features including Venturi sheet guiding, aerodynamic gripper carriages and application-specific sheet brakes provide for stable production right up to the maximum speed.

Venturi sheet guiding

- Combination of sheet guide plates and fan modules
- Easy access to sheet guide plates
- Optimised nozzle layout and form to achieve a stable air cushion height
- Fast and reproducible settings (automatic saving)
- Gentle sheet delivery avoids set-off
- High substrate flexibility
- Aerodynamic gripper carriages for an optimised air flow

Dynamic sheet brake for commercial production

- Seven single modules
- Combination of suction belts and suction wheels
- Skewed suction wheels serve to tighten the sheet
- Quick-replacement system for the suction belts
- Dynamic sheet brake with timed sheet deceleration
- ASP (automatic suction ring positioning) – remote control and tool-free



Sheet brake for packaging production
- Five twin modules
- Combination of suction belts and suction wheels
- Skewed suction wheels serve to tighten the sheet
- Quick-replacement system for the suction belts
- Dynamic sheet brake with timed sheet deceleration
- ASP (automatic suction ring positioning) – remote control and tool-free

Extended delivery
- In four lengths from 2.6 to 6.2 metres
- Installation space for VariDry drying systems

Double-pile delivery (Rapida 145)
- Further automation and optimisation of the production process, especially in folding carton production
- Waste and good sheets separated onto separate piles
- Manual sorting is no longer necessary before further processing
- Ejection of waste right up to the maximum production speed
- Can be integrated into a comprehensive pile logistics system

Emission Extraction System EES
- Extraction of emission-laden air
- Safeguards a pleasant work environment

ErgoTronic console technology: New and simple operating philosophy

Thanks to comprehensive console and preset capabilities, alongside an ergonomically arranged and intuitive user interface, work on the Rapida 145/164 is child's play. All operating functions are clearly structured for process-oriented access via the modern touchscreen monitor.

Additional touchpanels with direct function keys help to maximise operator convenience at the feeder and delivery – directly on the press itself. The Rapida 145/164 also possesses tailored workflow components for integration into company-wide production control and management systems.

ErgoTronic

- Wallscreen for visualisation of all press settings
- Live image from QualiTronic ColorControl on wallscreen
- ColorTronic ink metering with ink profile displays on console
- Integration with existing DensiTronic Professional possible
- Sheet inspection desk with adjustable desk angle
- Motorised console height adjustment with memory function
- USB port for fast communication of job data
- Uninterruptible power supply to enable controlled press shutdown in case of power supply failure
- Integrated remote maintenance module with Internet link for remote maintenance and software updates

Control console functions (dependent on incorporated options)
- Job changeover program JobAccess for automatic job presetting
- Job-specific saving of all relevant press parameters for repeat jobs
- Remote register setting
- Control for all peripheral equipment
- Maintenance indicator and print-outs of maintenance lists
- Unbroken production data acquisition in conjunction with LogoTronic Professional
- Creation and printing of pile dockets
- Preview images

TouchTronic operating functions
- Touchscreen for intuitive access to all press functions
- Less start-up waste thanks to new functions to establish ink profiles
- All operating functions accessible with no more than two clicks
- Job list with preview images and functions for job order optimisation based on ink coverage data
- Uncomplicated handling of spot colours

Job changeover program JobAccess
- Preparation of the next job while production is still running
- Makeready savings up to 50%
- Automatic execution of all preselected makeready processes in time-optimised order
- Presetting of format and substrate thickness
- Presetting of all substrate-specific air settings
- Job-specific presetting of ColorTronic ink metering
- Preselection and activation of washing functions

Specials/process automation
ErgoTronic AutoRun
- Autonomous execution of a prepared job list (especially in commercial printing)
- Makeready tasks, production, and colour and register control run automatically as elements of a single integrated process
- Sheet counter is started automatically when the target colour densities are attained
- Operators simply monitor the process sequence and are relieved of routine tasks

ErgoTronic console with integrated measuring systems
- In addition to the standard ErgoTronic features
- Sheet inspection desk as vacuum board with fixed desk angle
- ErgoTronic ColorControl for density and Lab measurements
- ErgoTronic ICR for register control

CIPLink
- Ink profile presetting via CIP3 data

LogoTronic Professional
- Comprehensive management system
- CIP3/CIP4 interface to prepress
- JDF/JMF or XML interface to an MIS
- Order management
- Press presetting
- Master data, including central ink database
- PressWatch for graphic representation of the overall production process
- SpeedWatch for graphic representation of job progress
- Automatic saving and management of all quality reports

Rapida LiveApps
- Mobile console with press status information, consumables tracking (option), maintenance manager and PressCall
- Calculation and display of current energy consumption via an optional metering function
- Determination of carbon footprints
- Inventory management and consumables monitoring

New dimensions of quality: Inline or online

Runs and turnaround times are becoming ever shorter, but the demands placed on print production in terms of topicality, quality and economic efficiency continue to grow nevertheless. Against this background, new ideas and approaches to press engineering are absolutely imperative.

Online and inline quality management systems, for example, are gaining ever greater importance. Koenig & Bauer has implemented all the latest advances and offers future-oriented solutions for print quality control on its large-format Rapidas.

Register

- ErgoTronic ACR (Automatic Camera Register) for automatic measurement and control based on individual sheets using a separate video magnifier
- ErgoTronic ICR (Integrated Camera Register) for fully automatic register control on the sheet inspection desk
- QualiTronic ICR for fully automatic register control in the press

Colour measurement

- Online colour measurement and control system ErgoTronic ColourControl on the console desk to determine colour densities and (optionally) spectral values in colour bars and in the image
- Inline colour measurement and control system QualiTronic ColorControl to determine density values in colour bars on the press itself

Quality control

- QualiTronic PrintCheck provides camera-based inspection of the print image in comparison to the first good sheet at resolutions up to 90 dpi
- QualiTronic PDFCheck additionally checks a freshly printed sheet against the reference PDF from pre-press. This function uses the same cameras as QualiTronic PrintCheck
- QualiTronic PDF HighRes is aimed above all at those users who require high-resolution sheet inspection at up to 300 dpi. QualiTronic PDF HighRes is thus the only system on the market which satisfies the strict demands of the pharmaceuticals industry
- QualiTronic “quality reports” for automatic documentation and certification for presentation to the final customer
- Digital magnifier ErgoTronic ImageZoom
- Live image display

PileTronic: Logistics system solutions

Non-stop systems at the feeder and delivery establish ideal prerequisites for uninterrupted production and smooth pile changes. The PileTronic concept offers individually tailored system solutions to meet a sheer boundless variety of logistics needs. Even between floors or over long distances, large-format Rapida presses are integrated seamlessly into your chosen logistics set-up.

Non-stop systems at the feeder
- Fully automatic non-stop system with sensor-monitored rake for pile transport and pile reunion
- Pile insertion and removal possible from all three sides

Non-stop operation at the delivery
- Fully automatic system
- Non-stop roller rack serves to support an auxiliary pile
- Rack is lowered as the auxiliary pile grows, extending the time available for pile change
- Non-stop pile changes at full production speed
- No encapsulation of the delivery (helps to avoid heat build-up)
- Sensor monitoring for lifting/lowering of main and auxiliary piles
- Maximum flexibility for logistics integration

PileTronic
- Networking of press control, non-stop pile changing systems and pallet supply for efficient print production

Possible logistics components
- Pile turners, including variants with individually selected programs for pile preparation
- System pallet dispensers
- Turntables
- Surface-mounted or flush-mounted roller tracks
- Pile transport on LOX belts
- Pallet-free pile transport
- Remote controlled trolleys
- Pallet turners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Service for maximum performance

Koenig & Bauer offers a broad spectrum of services addressing all aspects of your sheetfed offset press, founded on the three main pillars “Service Select”, “Service Complete” and “Press Consum”.

“Service Select” refers to services which are directly connected with the technology and equipment of your press. The prime objectives are to avoid downtimes and to maximise availability – as the basis for ultimate performance. Whether reactive service in an emergency case or preventive measures to avert the risk of damage: Swift processing of your calls holds top priority and is handled by our professional remote maintenance service. If it is necessary to replace any press component, our efficient spare parts supply system ensures that deliveries reach you as quickly as possible. And to prevent such emergencies arising in the first place, we offer you a range of preventive maintenance inspections, as well as corresponding retrofits and upgrades for both hardware and software. “Service Select” provides a suitable solution for all your technical needs.

“Service Complete” comprises services which are designed to safeguard and improve your productivity. Analyses and optimisation measures ensure that your press continues to print with maximum performance and at maximum capacity. Performance capabilities are documented to enable you to intervene before a trend reversal actually takes effect. In addition, “Service Complete” supports the assessment and consequent improvement of your production processes, right through to planning of overall print company structures. Alongside press and process optimisation, we offer opportunities for further training of your personnel by our experienced instructors. That, too, is a means to optimise press operation. Wherever the potential lies, the “Service Complete” programme is your versatile key to improvement, development and increased efficiency.

Suitable consumables are a decisive prerequisite for optimum use of your sheetfed offset press. High-quality inks provide for brilliant print results, and with the best cleaning solvents, your press remains in top condition. Waste, for example, can be reduced significantly. But you must usually obtain all these different consumables from a multitude of individual suppliers. To help you with your purchase decisions, we have tested the quality and performance of various products from renowned consumables suppliers. The ideal products for use on your high-performance Rapida press are recommended as part of our consumables programme.

Rapida 145/164
Technical data

	Rapida 145	Rapida 164	
Sheet format			
Maximum	1,060 × 1,450	1,205 × 1,640	mm
Minimum (straight printing/perfecting)	500 × 600 / 670 × 600	600 × 800 / 770 × 800	mm
Print format			
Maximum	1,050 × 1,450	1,190 × 1,640	mm
Substrates [1]			
Standard (straight/perfector press)	0.1–0.7 / 0.1–0.6	0.1–0.7 / 0.1–0.6	mm
With light paper package	from 0.06	from 0.06	mm
With board-handling package (from approx. 450 g/m²)	up to 1.2	up to 1.2	mm
With corrugated package	up to 1.6	up to 1.6	mm
Gripper margin	10	10	mm
Production speed [2]			
up to 8 printing units + coater	16,000	16,000	sheets/h
up to 8 printing units + double coater	14,000	12,000	sheets/h
up to 9 printing units + coater	13,000	12,000	sheets/h
10 printing units	13,000	12,000	sheets/h
With perfecting unit (straight printing/perfecting) up to 10 printing units	13,000	12,000	sheets/h
With High Speed package			
up to 8 printing units + coater	18,000	17,000	sheets/h
With perfecting unit (straight printing/perfecting) up to 10 printing units	15,000	–	sheets/h
Pile height from floor			
Feeder	1,500	1,500	mm
Feeder in non-stop operation	1,200	1,200	mm
Delivery (commercial/board equipment)	1,200 / 1,500	1,200 / 1,500	mm
Delivery in non-stop operation (commercial/board equipment)	1,100 / 1,400	1,100 / 1,400	mm
Press raised on strip foundations			
Possible heights	210 / 420 / 630 / 840	210 / 420 / 630 / 840	mm
Plate and blanket dimensions			
Plate and blanket dimensions	1,180 × 1,460	1,265 × 1,650	mm
Coating plate size	1,180 × 1,460	1,265 × 1,650	mm
Standard copy line	72	49	mm
Blanket size	1,305 × 1,480	1,355 × 1,670	mm

[1] Printability is also influenced decisively by the flexural rigidity of the substrate.

[2] Dependent on individual processing parameters, e. g. the inks and substrates used.

KBA-Sheetfed Solutions 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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