KBA Rapida 105

Innovative Rapida 106 technology inside
KBA Rapida 105

Better and more flexible than ever before

KBA Rapida 105 has for years stood as a synonym for reliability and an attractive price-performance ratio in medium-format sheetfed offset printing. The lasting market success has been founded above all on its superior substrate flexibility, ease of operation, a robust construction, diverse possibilities for inline finishing and, last but not least, the excellent print quality.
But the competition is becoming ever fiercer, turnaround times ever shorter, and the demands of the market ever more complex – the pressures placed on operators and presses continue to grow constantly. It is not least for this reason that the Rapida 105 now stands on a common technology platform with the KBA Rapida 106 – packed with design solutions previously unique to the innovative makeready world champion press.

This leap forward in technology will set your heart alight. After all, the Rapida 105 integrates many proven Rapida 106 features, for example

- gripper systems
- optimised inking units
- improved sheet guiding
- KBA VariDry dryer technology
- further extended automation
- new delivery

A sheer endless range of configuration variants, furthermore, permits tailoring to a broad spectrum of applications, from commercial production to labels or high-quality packaging. Inline finishing? Of course: Both conventional and UV technologies are available for all-over and spot coatings – and as your key to an exciting world of visual and haptic effects.
DriveTronic feeder – drive technology par excellence
User-oriented automation

Strong performance begins at the feeder. On the Rapida 105, state-of-the-art dedicated drives have been standard for years. The DriveTronic technology is unique in the world. Whatever the thickness, whether heavy or light, the DriveTronic feeder handles every substrate with kid gloves. And the continuous, jerk-free pile lift guarantees smooth transport into the press. Following exact alignment of the sheet by the vacuum side lay, the proven swing infeed provides for gentle acceleration to production speed.

**DriveTronic feeder**
- Feeder motions controlled via 4 servo motors
- Continuous, stepless pile lifting with automatic speed compensation (paper/board)
- Antistatic rear-edge separating air
- Automatic format setting
- Automatic pile side edge alignment
- Quick-start function
- Front-edge pile height sensing with automatic compensation of the feeder head height
- Skew-sheet correction at the feeder head during production

**Suction-belt feed table**
- Suction-belt feed table with stainless, antistatic structured surface and multi-chamber vacuum system
- Electronically controlled sheet deceleration to ensure optimum sheet arrival speed at the front lays

**Vacuum side lay**
- Marking-free alignment process
- Multi-chamber vacuum system to permit matching to different substrates
- Included in automatic format setting

**Infeed**
- Central parallel and skew adjustment of the feed line
- Central adjustment of the front lay cover height
- Touchscreen display with direct function keys for reliable and intuitive press operation

**Sheet monitoring**
- Ultrasonic double-sheet detector, also for inhomogeneous materials
- Multiple-sheet detector
- Optical skew-sheet and side lay sensors
- Optical front lay sensors with electropneumatic overshoot blocking

**Non-stop operation at the feeder**
- Non-stop system with individual rods for uninterrupted production during pile changes
- Pile insertion and removal possible from all three sides
The new printing unit substructures have further smoothed the curvature of sheet travel on the Rapida 105. For even the heaviest materials, bending is reduced to an absolute minimum. The sophisticated Venturi sheet guiding system ensures a contact- and scratch-free passage through the press for every conceivable substrate – whether thick or thin, solid or multiple-ply. And the KBA-typical continuous gear train provides for the desired quiet running and ultimate precision of the print on the sheet.

**Design principles**
- Unit design
- Double-size impression cylinders and transfer systems for reliable sheet travel over the full substrate range
- 7 o’clock cylinder arrangement
- Substructure cast in a single piece for high torsional rigidity and stability
- Continuous gear train for smooth running and precision
- Corrosion-free cylinder surface finish
- Bearer contact and play-free bearings for precise rolling between plate and blanket cylinders
- Central lubrication
Sheet travel
- Gentle, air-cushioned sheet travel with blower systems and Venturi guide plates
- Automatic setting of the substrate thickness
- Pneumatic impression on/off switching

Universal gripper system
- No adjustments required to accommodate changes in substrate thickness
- Coated gripper tips and structured gripper pads for maximum holding force
- Gripper pads and tips can be replaced individually
- Increased gripper shaft diameter

Register setting
- Remote setting of lateral, circumferential and diagonal register
- Diagonal register achieved by tilting the transfer drums
- ErgoTronic ACR for automatic and exact register checking and correction
ColorTronic – performance in colour

Even faster reaction

The optimised inking units of the Rapida 105 shy no comparison. After all, they stand firmly on a par with those of the high-tech sister press in respect of ink flow and distribution. The latest rheology know-how and many years of practical experience have combined to produce an even faster reacting inking unit. The high level of repeat accuracy thanks to bleed-free ink metering and the disengaging of inking units not required for a particular job are just two of the many highlights by which the new inking unit excels.

**ColorTronic ink duct**
- Ink keys with carbide blades and ceramic-coated ink duct roller
- Remote control of the ink keys
- Wear-free ink metering ensures accurately reproducible settings
- Ink duct roller speed compensated to the press speed

**Ink duct foil**
- No influence on the basic ink duct setup, as the foil does not extend into the metering gap
- Convenient ink removal and cleaning reduces makeready time
- Fast and uncomplicated foil replacement

**Inking unit**
- New, fast-reacting inking unit
- Remote setting of vibrator frequency and blocking from the control console
- Ink train separation with impression-off
- Automatic adjustment of the oscillation timing from the control console
- Ink forme roller oscillation
- Inking unit temperature control for duct roller and oscillating distributors
- Individual engaging/disengaging of inking units from the console for reduced roller wear and minimised makeready times

**Dampening unit**
- New, speed-compensated Varidamp film-type dampening unit for a stable ink-water balance
- Skewing of the dampening duct roller to adapt dampening solution distribution across the press width
- Differential drive to eliminate hickeys, activated from the control console during production
Suiting all preferences
Diversity of plate changing choice

By catering for individual job structures and press manning practices, the KBA Rapida 105 also leaves no wish unanswered when it comes to makeready savings at job changeover. You, as the user, can yourself decide which level of automation you need for your press. You have the choice between a convenient automated variant and a fully automatic system.

**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
• Divided rear plate clamps

**FAPC (Fully Automatic Plate Change):**
Fully automatic plate change
• Automatic plate change on the whole press after program start at the control console
• Parallel changing in several printing units, completed in 3 cycles
• Faster, optimised change process with change time of 2.8 min, including register zeroing
• Divided rear plate clamps

Plate changing time on a KBA Rapida 105-6+L

Time saving 3.2 min
CleanTronic – washing systems with class

Fast and efficient

Washing during long runs and at job changeover is usually a time-consuming procedure, but at the same time simply necessary to guarantee constantly high print quality. Here, too, the KBA Rapida 105 is ideally prepared. Individually customised washing system configurations contribute to process automation. Parallel functions and the preselection of washing programs matched to job-specific needs ensure a perfect washing result – and that all faster than you ever thought possible.

CleanTronic roller washing
- Individual programming and central control of washing programs

CleanTronic blanket and impression cylinder washing
- Simple washing beam for blanket washing (with EasySet)
- Swing-action washing beam for combined blanket and impression cylinder washing
- Individual programming and central control of washing programs
- Parallel washing of rollers and blanket
- Use of dry cloth or ready-impregnated cloth rolls
- Indication of washing cloth consumption at the control console

CleanTronic Multi
- Multiple-media washing system permitting the use of different ink systems

"Print clean" function
- Targeted stripping of the remaining ink from plate and blanket
- Reduced blanket washing times and material consumption
- Enhanced production stability with thin materials
- Pre-selection of the number of sheets to be used
- Can replace blanket washing for short runs

CleanTronic UV
- Safety function to eliminate waiting times before and after cylinder washing when printing with UV inks
- More efficient makeready and longer service life for UV lamps

Makeready saving with KBA CleanTronic

Without parallel washing processes

With KBA CleanTronic

Time saving 3.0 min
The KBA Rapida 105
Principal features

**Designed for Performance**

Cutting-edge console technology:
Made by KBA
- Touchscreen with intelligent menus and intuitive access to all operator functions
- Job changeover program JobAccess for fully automatic and coordinated makeready at the press of a button
- Job profiles with preset capabilities
- Integration with remote maintenance module and KBA management system LogoTronic Professional
- Wallscreen for the visualisation of all press settings

VariDry drying systems:
Ecological and efficient
- High-performance dryers VariDry IR/hot air, VariDry UV and VariDry HR-UV
- Dryer control in accordance with pile temperature
- Lamp replacement without tools
- VariDry Blue technology for enhanced energy efficiency

AirTronic delivery:
Rapida 106 inside
- Sophisticated Venturi air-cushioned sheet travel through to precise sheet delivery enables even sensitive substrates to be handled at full production speed
- Speed-compensated and format-dependent powder metering
- Sheet brake with pre-suction plate and variable speed for optimum sheet deceleration
- Extended delivery to enhance productivity when coating
- KBA-specific non-stop solutions for uninterrupted production and smooth pile changes
Coater: Shining finishes
- State-of-the-art chamber blade technology and lightweight anilox rollers
- Hydropneumatic chamber blade control for constant and even coating application
- Coating supply system for dispersion and UV coatings in separate circuits
- Choice of application-oriented clamping systems
- Register setting from the press console

CleanTronic: Washing systems with class
- Perfect washing results through parallel washing processes and individually defined, preselected washing programs
- CleanTronic roller washing system
- CleanTronic blanket and impression cylinder washing system with swing-action washing beam for combined blanket and impression cylinder washing
- CleanTronic Multi multiple-media washing system permitting the use of different ink systems
- CleanTronic UV safety function to eliminate waiting times before and after cylinder washing when printing with UV inks
Plate change: Suitable all preferences

- Diversity of solutions matched to individual job structures and press manning practices
- Automated plate change SAPC (Semi-Automatic Plate Change) for automatic rotation to the change positions
- Faster, optimised change process for fully automatic plate change FAPC (Fully Automatic Plate Change), including register zeroing

Inking unit: Performance in colour

- Inking unit optimised according to latest rheology know-how with regard to ink flow and distribution
- Maximum repeat accuracy through bleed-free metering in the ColorTronic ink duct
- Individual engaging/disengaging of inking units for reduced roller wear and minimised makeready times
- Inking unit temperature control for duct roller and oscillating distributors, especially advantageous for waterless technology
- Speed-compensated VariDamp film-type dampening unit for a stable ink-water balance
- Differential drive to eliminate hiccups

Printing unit: Register-true and with perfect precision

- Substructure cast in a single piece for high torsional rigidity and stability
- Double-size impression cylinders and transfer systems for low-profile sheet travel
- Continuous gear train for smooth running and excellent precision
- Venturi air-cushioned sheet travel for contact-free sheet transfer
- Universal gripper system adapts seamlessly to changes in substrate thickness
- Remote setting of lateral, circumferential and diagonal register
- Automatic register checking and correction with ErgoTronic ACR
Principal features

- Made by KBA
- Cutting-edge console technology:
  - Wallscreen
  - LogoTronic Professional
  - KBA management system
  - maintenance module and Integration with remote capabilities
  - Job profiles with preset the press of a button
  - JobAccess for fully automatic Job changeover program
  - for all operator functions
  - menus and intuitive access to Touchscreen with intelligent for the visualisation

- Ecological and efficient
  - VariDry drying systems:
    - VariDry tools
    - Lamp replacement without with pile temperature
    - Dryer control in accordance with VariDry IR/hot air, VariDry UV
    - High-performance dryers enhanced energy efficiency
      - Blue

- Rapida 106 inside
  - AirTronic delivery:
    - pile changes
    - uninterrupted production and smooth KBA-specific non-stop solutions for productivity when coating
    - deceleration
    - and variable speed for optimum sheet performance
    - Sheet brake with pre-suction plate
    - dependent powder metering
    - Speed-compensated and format-

- Coater: Shining finishes
  - console
  - Register setting from the press
  - clamping systems
  - Choice of application-oriented and UV coatings in separate circuits
  - application control for constant and even coating
  - Hydropneumatic chamber blade rollers
  - State-of-the-art chamber blade technology and lightweight anilox
  - Perfect washing results through

- Plate change: Suiting all preferences
  - including register zeroing
  - (Fully Automatic Plate Change),
  - fully automatic plate change FAPC
  - Faster, optimised change process for rotation to the change positions
  - Automated plate change SAPC (Semi-

- Inking unit: Performance in colour
  - Differential drive to eliminate hickeys
  - water balance
type dampening unit for a stable ink-

- Speed-compensated VariDamp film-
  - technology
  - especially advantageous for waterless
  - duct roller and oscillating distributors,

- Inking unit temperature control for
  - and minimised makeready times
  - Individual engaging/disengaging of ink duct
  - bleed-free metering in the ColorTronic
  - Maximum repeat accuracy through

- Printing unit: Register-true and with perfect
  - correction with ErgoTronic ACR
  - Automatic register checking and
  - Remote setting of lateral,

- thickness
  - seamlessly to changes in substrate
  - Universal gripper system adapts
  - contact-free sheet transfer
  - Venturi air-cushioned sheet travel for running and excellent precision
  - Continuous gear train for smooth

- Transfer systems for low-profile sheet
  - Double-size impression cylinders and
  - high torsional rigidity and stability
  - Substructure cast in a single piece for

- DriveTronic feeder: Drive technology par excellence
  - DriveTronic feeder for continuous, stepless pile lifting with automatic speed compensation for paper and board
  - Suction-belt feed table with electronically controlled sheet deceleration to ensure optimum sheet arrival speed at the front lays
  - Vacuum side lay for a marking-free alignment process
  - Quick-start function
  - Ultrasonic double-sheet detector, also for inhomogeneous materials
  - Non-stop system with individual rods
  - User-oriented automation
— Rapida 106 inside
Shining finishes
Endless diversity for maximum creativity

Inline finishing is nowadays the icing on the cake for every print process. Whether for straightforward protection or as a design element on commercial products, whether for special effects or spot coating in high-quality packaging printing and a broad range of special applications – the coater of the Rapida 105 is ready to master all challenges. State-of-the-art chamber blade technology with lightweight anilox rollers, separate coating supply circuits and console integration make handling a real pleasure.

**Chamber blade system**
- Hydropneumatic control for constant and even coating application
- Lightweight anilox rollers ensuring fast and user-friendly replacement

**Coating supply system**
- Coating supply system for dispersion and UV coatings in separate circuits
- Central control via the press console
- Fully automatic cleaning for dispersion and UV coatings
- Excellent cleaning result enabling immediate use of the coating system for the next job

**Coating forme change**
- Universal clamps for blankets and coating plates
- Quick-release clamps for coating plates with register system for automated forme change (change time: approx. 1 min)
- Remote pressure setting
- Remote adjustment of lateral and circumferential register from the press console
AirTronic delivery
Rapida 106 inside

Redesigned from the ground up for perfect aerodynamics, the new delivery of the Rapida 105 adopts the underlying concept of the Rapida 106. The swan neck now follows directly after the last printing unit, providing for significantly smoother sheet travel and precise pile formation irrespective of the substrate. Another new feature is the air-cushioned sheet transport through to precise delivery onto the pile. Even sensitive substrates can thus be handled with ease at full production speed.

Sheet travel
- High-level extended delivery for smooth sheet transport
- Touchscreen display with direct function keys for reliable and intuitive press operation
- Venturi air-cushioned sheet guiding
- Speed-compensated gripper opening cam for a broad range of substrates
- Fan modules and blower bars promote optimum pile formation
- Standard-compliant light barriers to guard the hazardous area
Powder sprayer
- Speed-compensated and format-dependent powder metering

Sheet brake
- Sheet brake with pre-suction plate and variable speed to facilitate precise sheet delivery
- Suction rings can be deactivated in pairs

Extraction system
- Elimination of health hazards from ozone and VOC emissions

Extended delivery
- Extension length 2,400 mm
- Enhanced productivity when coating thanks to longer time for drying

Non-stop operation at the delivery
- Non-stop pile change possible at full production speed
- Lowerable non-stop roller rack extended automatically above the main pile
- Sensor monitoring for lifting/lowering of main and auxiliary piles
- Alternative: Non-stop system without lowering capability for smaller pile heights or several product piles on a single pallet
As production speeds increase, ever greater demands are placed on dryer efficiency. The KBA Rapida 105 is equipped with high-performance dryers from the KBA VariDry family. Perfect drying results are thus practically guaranteed – for both conventional and UV applications. With the VariDryBlue technology, the additional aspect of energy efficiency is shifted into the spotlight. The print process gains significantly in terms of ecology and places even less impact on the environment.

VariDry IR/hot air
- IR/hot-air drying with stepless control
- Can be installed as final dryers, as intermediate dryers or in a dryer tower
- Carbon twin lamps with IR power rating of 60 W/cm
- Lamp replacement without tools
- Dryer control on the basis of pile temperature

VariDryBlue
- System variant for enhanced energy efficiency
- Energy saving potential up to 50% compared to conventional IR/hot-air dryers
- Unsaturated dryer air recirculated within the extended delivery
- Controlled via the press console

VariDry UV
- Compact dryer module with UV power rating of 160 W/cm (stepless control)
- Can be installed as final or interdeck dryers
- Lamp replacement without tools
- Automatic pile temperature measurement
- Lamp-specific acquisition of operating hours, irrespective of installation position
- CleanTronic UV to shorten the waiting times when washing
- UV sensor to report the current UV output of the lamp
**VariDry HR-UV**

- Highly reactive UV system with specially doped lamps
- Stepless adjustment of the lamp power between 80 and 200 W/cm
- Suitable for conventional and highly reactive UV inks
- HR-UV dryers can be used in all available installation positions, also in combinations of HR-UV and conventional UV

**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 adjusted to the format width and length
- Very long service life
- Mercury-free
- Minimal heat input into the print substrate
- Same scope of applications as HR-UV dryers

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### Comparison of dryer efficiency

<table>
<thead>
<tr>
<th></th>
<th>KBA VariDry&lt;sup&gt;Blue&lt;/sup&gt;</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basic capacity data</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working days per year</td>
<td>251</td>
<td>251</td>
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<tr>
<td>Shifts per day</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Working hours per shift</td>
<td>7.4</td>
<td>7.4</td>
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<tr>
<td>Production hours per year</td>
<td>5,015</td>
<td>5,015</td>
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<tr>
<td>Production hours without makeready</td>
<td>4,000</td>
<td>4,000</td>
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<tr>
<td><strong>Measurement results</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average measured power consumption (kWh)</td>
<td>33</td>
<td>70</td>
</tr>
<tr>
<td>Power consumption in kWh/year</td>
<td>132,000</td>
<td>280,000</td>
</tr>
<tr>
<td>Electricity costs in € per kWh</td>
<td>0.10</td>
<td>0.10</td>
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<tr>
<td>Electricity costs per year in €</td>
<td>13,200</td>
<td>28,000</td>
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<tr>
<td>CO₂ emissions (t/year)</td>
<td>81.5</td>
<td>172.8</td>
</tr>
<tr>
<td><strong>Savings potential</strong></td>
<td></td>
<td></td>
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<tr>
<td>Energy saving (kWh/year)</td>
<td>148,000</td>
<td>–</td>
</tr>
<tr>
<td>Energy saving (%)</td>
<td>53</td>
<td>–</td>
</tr>
<tr>
<td>Cost saving (€/year)</td>
<td>14,800</td>
<td>–</td>
</tr>
<tr>
<td>CO₂ reduction (t/year)</td>
<td>91.3</td>
<td>–</td>
</tr>
</tbody>
</table>
Workflow management
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 KBA Rapida 105 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 105 also possesses tailored workflow components for integration into company-wide production control and management systems.

**ErgoTronic**
- Wall screen for visualisation of all press settings
- Live image from QualiTronic ColorControl on wall screen
- 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 KBA PressSupport 24 Sheetfed with Internet link for remote maintenance and software updates

**New 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 2 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

**ErgoTronic console with integrated measuring systems**
In addition to the standard ErgoTronic features
- Sheet inspection desk as vacuum board with fixed desk angle
- ErgoTronic ColorDrive and ColorControl for density and Lab measurements
- ErgoTronic ACR and ICR for register control
- Integration of Instrument Flight for extended colour control according to grey balance

**CIPLink**
- Ink profile presetting via CIP3 data

**LogoTronic Professional**
Comprehensive management system for KBA presses:
- CIP3/CIP4 interface to prepress
- JDF/JMF or XML interface to an MIS
- Order management
- Press presetting
- Master data, including central colour 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

**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
KBA Service Select –
Your guarantee for maximum performance
Economical and individually tailored

KBA Service Select stands for a comprehensive spectrum of individual service solutions, each of which is geared to maximising the productivity and efficiency of your high-performance printing presses. From one-off press relocations through to regular service calls and even visits with a technician spending several days on site – KBA defines a service programme tailored to your specific needs. Cost-intensive downtimes can be reduced to an absolute minimum. In this way, it is possible to raise production outputs (sheets/hour) by up to 30% and to cut makeready times by up to 40%.

Our most important service products and your benefits at a glance:

**Training**
- Regular staff training to the highest standards
- Broad range of training offers, from print technology and press maintenance through to special and advanced seminars on individual topics
- Trained staff acquire the know-how necessary to optimise the print process and thus exploit the full potential of your press

**Inspections and maintenance**
- Optimum press settings and maintenance as a basis for constantly high production quality
- Reduction of unplanned downtimes
- Enhanced productivity thanks to increased press availability
- Reap the full benefits of investments and maximise the resale value of your press
- Qualified realisation of necessary routine inspections by a KBA works technician

**Performance checks**
- Professional support to safeguard the maximum performance of your press
- Further enhanced print performance and quality
- Identification of potential for optimisation
- Minimised downtimes
- Recommendations on meaningful retrofit options

**PressConsum**
- High-quality ink series, dampening solutions, blankets and other consumables from a single supplier
- Products developed specifically for Rapida presses
- Long service life of press components
- Optimised consumables for ideal washing results

**Service contracts**
- Choice of three service programmes: Basic, Advanced and Full
- Constant level of service over the whole press life cycle
- Qualified technicians and competent advice
- Free remote maintenance and press inspections
- Preventive services to safeguard print performance
- Covers also all administrative expenses

Tailored variants and amendments are possible. We would be pleased to define a service package to match your individual requirements.
The KBA Rapida 105 at a glance

Rapida 106 inside

<table>
<thead>
<tr>
<th>Technical data</th>
</tr>
</thead>
</table>

**Sheet format:**
- Maximum (standard/special version) 720 x 1,050 / 740 x 1,050 mm
- Minimum (standard/special version) 360 x 520 / 350 x 500 mm

**Print format:**
- Standard/special version 710 x 1,040 / 730 x 1,040 mm

**Substrates:**
- Standard 0.06 - 0.7 mm
- Perfector press 0.06 - 0.6 mm (60 - 350 g/m²)
- With lightweight package 0.04 mm
- With board-handling package 1.2 mm
- With corrugated package 1.2 mm
- With plastics printing package 0.1 - 0.7 mm

**Production speed:**
- Maximum, dependent on configuration 16,000 sheets/h

**Pile height:**
- Feeder 1,250 mm
- Delivery 1,200 mm

**Plate and blanket dimensions:**
- Plate size 795 x 1,050 mm
- Copy line (standard/special version) 50 / 36 mm
- Blanket size 860 x 1,060 mm

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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
3) From floor / without non-stop operation

Illustrations and descriptions include special features.
For further information please contact your KBA agent.
## Configuration variants for the KBA Rapida 105*

<table>
<thead>
<tr>
<th>General</th>
<th>Coater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substrate range: 0.06 to 0.70 mm (maximum production speed dependent on substrate rigidity)</td>
<td>Coater with chamber blade</td>
</tr>
<tr>
<td>Accessory package for thin materials</td>
<td>Automated plate change for coating plates</td>
</tr>
<tr>
<td>Accessory package CX for board up to 1.2 mm</td>
<td>Manual coating forme change with universal clamping bars</td>
</tr>
<tr>
<td>Accessory package for corrugated board</td>
<td>Second coating circuit for alternating use of different coating types</td>
</tr>
<tr>
<td>Accessory package for films and plastics</td>
<td>Coating supply and cleaning system for dispersion coating, with console integration</td>
</tr>
<tr>
<td>Accessory package for UV applications</td>
<td>Coating supply and cleaning system for dispersion and UV coating, with console integration</td>
</tr>
<tr>
<td>Coater and extended delivery</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Feeder</th>
<th>Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-performance antistatic system, including side blowers with ionised air</td>
<td>Powder sprayer with console integration</td>
</tr>
<tr>
<td>Manual non-stop facility</td>
<td>Powder extraction</td>
</tr>
<tr>
<td>Inset frame for flush pile board (only together with inset frame in the delivery)</td>
<td>EES - Emission Extraction System</td>
</tr>
<tr>
<td>Free-standing pre-piling fixture</td>
<td>Inset frame for flush pile board (only together with inset frame in the feeder)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Infeed</th>
<th>Printing unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vacuum side lay</td>
<td>Sheet travel sensors</td>
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<td>Dust extraction</td>
<td>Sheet guide plates with preset capability</td>
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<tr>
<td>Intercom between infeed and delivery</td>
<td>Automated plate change SAPC</td>
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<table>
<thead>
<tr>
<th>Coating unit</th>
<th>Inking unit</th>
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<tr>
<td>Rollers for conventional inks</td>
<td>Rollers for UV inks</td>
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<tr>
<td>Inking unit temperature control</td>
<td>Ink duct roller cooling</td>
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<tr>
<td>Ink agitators</td>
<td>Hickey pickers</td>
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<thead>
<tr>
<th>Dampening unit</th>
<th>Washing systems</th>
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</thead>
<tbody>
<tr>
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<td>CleanTronic blanket and roller washing</td>
</tr>
<tr>
<td></td>
<td>CleanTronic blanket/impression cylinder washing and roller washing</td>
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<tr>
<td></td>
<td>CleanTronic Impact blanket/impression cylinder washing with pre-impregnated cloth</td>
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<td></td>
<td>CleanTronic UV</td>
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<td>“Print clean” function</td>
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<tr>
<th>Dryer systems</th>
<th>Measurement and control</th>
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<tr>
<td>VariDry IR final dryers</td>
<td>ErgoTronic ACR</td>
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<tr>
<td>VariDry IR/hot-air final dryers</td>
<td>ErgoTronic ICR</td>
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<td>VariDry IR/hot-air/UV final dryers</td>
<td>ErgoTronic ColorDrive</td>
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<tr>
<td>VariDry UV final dryers</td>
<td>ErgoTronic ColorControl</td>
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<td>VariDry UV interdeck dryers</td>
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<td>VariDry HR-UV technology</td>
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<td>VariDry LED-UV technology</td>
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<th>Process automation/networking</th>
<th>Standard Option not available</th>
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<tr>
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<td>LogoTronic Professional</td>
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* Subject to design modifications and local equipment specifications
KBA Rapida 105
from Koenig & Bauer Group

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