



KBA Rapida 66

Technical information



KBA Rapida 66

Feeder and infeed

Feeder

- High-performance stream feeder
- Antistatic rear-edge separating air
- Format setting
- Rear-edge pile height sensing with automatic compensation of the feeder head height
- Automatic pile lift control

Suction-belt feed table

- Suction-belt feed table with stainless, antistatic structured surface, with 4 suction belts and multi-chamber vacuum system
- Sheet deceleration to ensure optimum sheet arrival speed at the front lays

Infeed

- Top-side rotary pre-grippers accelerate the sheet for transfer to a single-size impression cylinder
- Adjustment of the feed line at the infeed

Mechanical side lay

- Format setting

Sheet monitoring

- Ultrasonic double-sheet detector
- Optical skew-sheet and side lay sensors
- Optical front lay sensors with overshoot blocking
- Mechanical crash bar

Printing unit

Design principles

- Substructure cast in a single piece for high torsional rigidity, stability and reduced weight
- Continuous gear train for smooth running and precision
- Unit design
- Corrosion-free cylinder surface finish
- Bearer contact and play-free bearings for precise rolling between plate and blanket cylinders
- Bearer cleaners
- Central lubrication for the most important lubrication points

Sheet travel

- Single-size impression cylinders and transfer drums for reliable sheet travel over the full substrate range
- Pneumatic impression on/off switching

Universal gripper system

- No adjustments required to accommodate changes in substrate thickness
- Ceramic-coated gripper tips for maximum holding force
- Structured gripper pads
- Gripper pads and tips can be replaced individually

Automated plate change (SAPC)

- Automatic clamping and tensioning of the plate in each printing unit
- Divided rear plate clamps
- Change time per unit: 1 min

Register setting

- Remote setting of lateral, circumferential and diagonal register
- Diagonal register achieved by tilting the transfer drums

Ink duct

- Ink keys 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 for constant ink transport

Inking unit

- Fast-reacting single-train inking unit
- Remote setting of vibrator blocking
- Adjustment of the oscillation timing
- Setting of oscillation for first and fourth ink forme rollers
- Oscillating distributors prepared for inking unit temperature control

Dampening unit

- Speed-compensated film-type dampening unit for a stable ink-water balance
- Differential drive to eliminate hickeys

Roller washing

- Individual programming and central control of washing programs

Blanket washing

- Use of dry cloth rolls
- Indication of cloth end and low solvent level
- Individual programming and central control of washing programs



Perfecting

- Three-drum sheet turning
- Proven 1-2-1 configuration for exact perfecting register
- Special perfecting drum gripper system handling a broad substrate range in both straight printing mode and perfecting
- Maximum production speed in both straight printing and perfecting (10,000 sph)

Sheet travel

- Long-lasting ink-repellent surface on impression cylinders after the perfecting unit

Coating unit

- Convertible coater-dampening unit
- Flexible use as dampening unit or coater (dispersion coatings)

Dryer systems

IR dryers

- Twin quartz lamps with IR power rating of 60 W/cm
- Simple lamp replacement
- Automatic pile temperature regulation and dryer control
- Can be installed as final dryers

Delivery

Sheet travel

- Speed-compensated gripper opening cam for a broad range of substrates
- Light barriers to guard the hazardous area
- Touchscreen display
- Touchscreen display with direct function keys for reliable and intuitive press operation

Sheet brake

- Suction roller to facilitate smooth sheet delivery
- Air setting for suction rings

Powder sprayer

- Speed-compensated and format-dependent powder metering

Non-stop systems

Feeder

- Non-stop system with individual rods for uninterrupted production during pile changes

Delivery

- Non-stop pile change possible at full production speed

Console and operation

ErgoTronic control console

- 15" TFT touchscreen for ergonomic access to all press functions
- Preparations for network link for external data saving and preset data import
- USB port for external data saving
- Sheet inspection desk with adjustable desk angle
- Uninterruptible power supply to enable controlled press shutdown in case of power supply failure
- Integrated remote maintenance module

Control console functions

- Job-specific presetting of ink metering
- Remote register setting
- Selection of washing functions

Touchscreen display

- TFT touchscreen for ergonomic access to all press functions
- USB port for external data saving and preset data import

ErgoTronic InkControl

- Remote ink key setting from the touch screen display at the delivery

Quality control

DensiTronic

- Fully automatic density measurements and adjustment
- Density measurements and correction proposals displayed on the ErgoTronic console

Techkon RS400

- Automated density measurements and fully automatic density adjustment
- Density measurements and correction proposals displayed on the ErgoTronic console
- Free positioning of the colour bars on the sheet



**The KBA Rapida 66 from
Koenig & Bauer AG**

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Our agency:

Specifications

Max. sheet format	485 x 660 mm
Min. sheet format	225 x 297 mm
Max. print format	475 x 650 mm
Max. print format in perfecting	465 x 650 mm
Max. printing speed	10,000 sph
Substrate range	0.04 - 0.45 mm
Plate format (with/without SAPC)	530 x 660 mm / 550 x 660 mm
Pile height at feeder	940 mm
Pile height at delivery	780 mm

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