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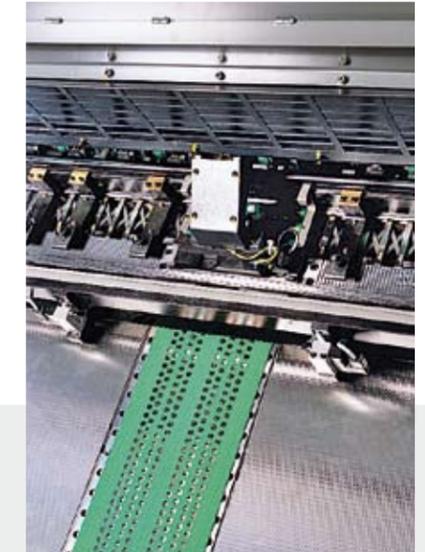
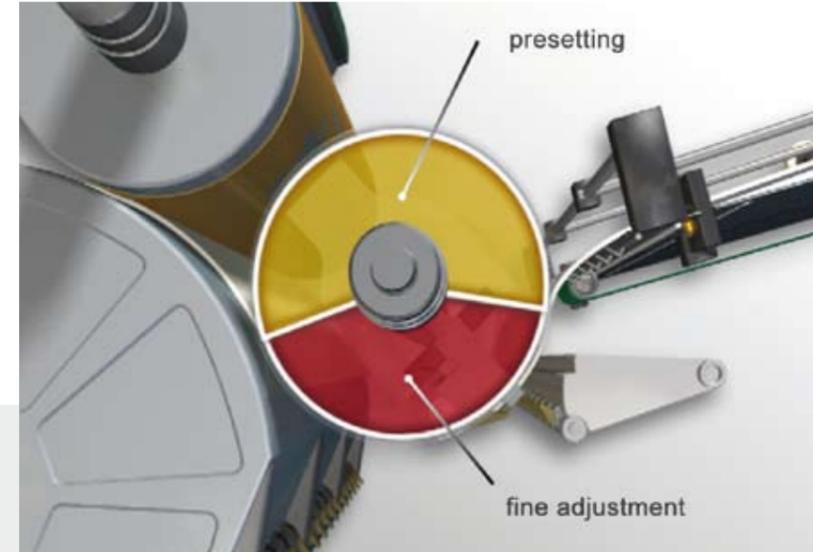
Our agency:



# KBA RAPIDA 106

Technical information

# Feeder and infeed



## ■ DriveTronic feeder

- Feeder controlled via 4 servo motors, with continuous, stepless pile lifting and automatic lift compensation (paper / board)
- Antistatic rear-edge separating air
- Automatic format setting
- Automatic pile side edge alignment
- 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, with a single suction belt and multi-chamber vacuum system
- Electronically controlled sheet deceleration to ensure optimum sheet arrival speed at the front lays

## ■ Infeed

- Swing infeed accelerates the sheet for transfer to a single-size feed drum
- Motorised remote adjustment of the feed line, individual front lays and the front lay cover height with DriveTronic Infeed

## ■ Touchscreen display

- Touchscreen display with direct function keys for reliable and intuitive press operation

## ■ Vacuum side lay

- Marking-free alignment of the sheet
- Multi-chamber vacuum system to permit matching of different suction requirements
- Automatic format setting

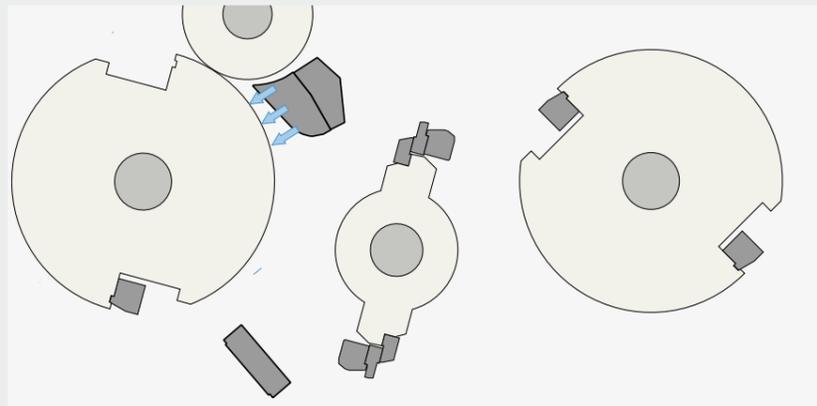
## ■ DriveTronic SideLay (SIS)

- Sidelay-free infeed eliminates all operator settings for lateral sheet alignment (makeready savings)
- Excellent alignment accuracy thanks to the very long period of rest for the sheet at the front lays

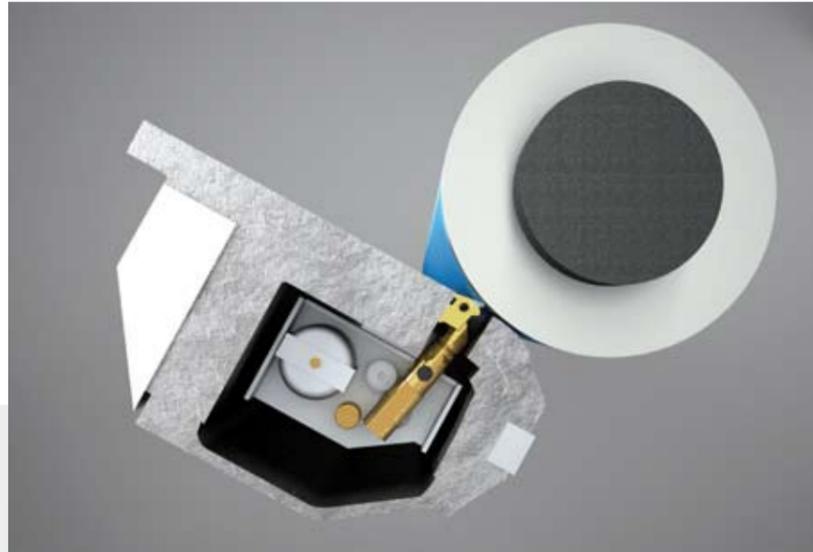
## ■ Sheet monitoring

- Ultrasonic double-sheet detector
- Capacitive double-sheet detector for inhomogeneous materials
- Electromechanical double-sheet detector
- Multiple sheet sensors
- Optical skew-sheet and side lay sensors
- Optical front lay sensors with electro-pneumatic overshoot blocking
- Magnetic crash bar





# Printing unit

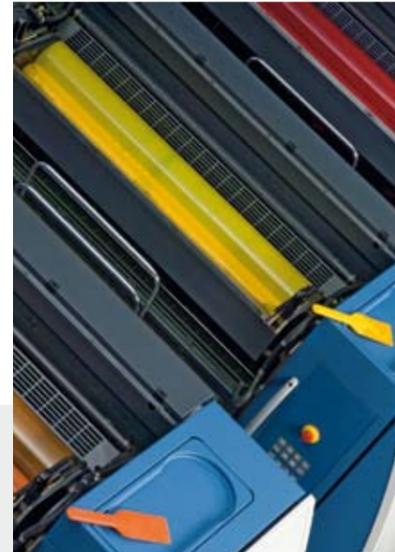


## ■ ColorTronic ink duct

- 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 for constant ink transport

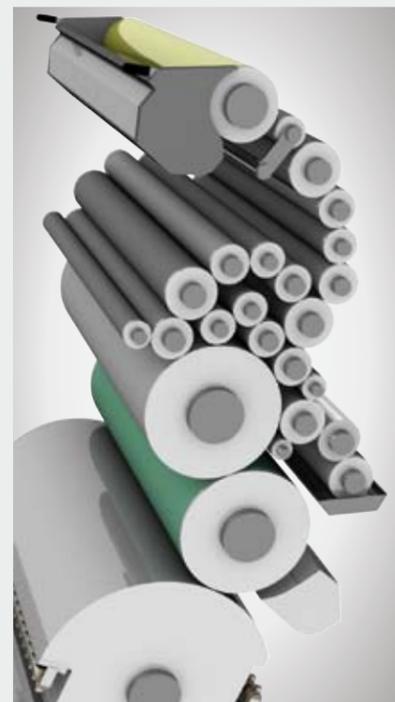
## ■ Inking unit

- Fast-reacting single-train inking unit
- Remote setting of vibrator frequency and blocking
- Ink train separation with impression-off to maintain the vertical ink distribution in the inking unit
- Stepless remote adjustment of the oscillation timing during production
- Remote switching of ink forme roller oscillation
- Oscillating distributors and ink duct rollers prepared for inking unit temperature control
- Individual engaging/disengaging of inking units for reduced roller wear and minimised makeready times



## ■ Dampening unit

- Speed-compensated Varidamp film-type dampening unit for a stable ink-water balance
- Differential drive to eliminate hickeys, activated/deactivated during production



## ■ Multi-purpose washing system for blankets and impression cylinders

- Use of dry cloth or ready-impregnated Prepac® cloth rolls
- Indication of washing cloth consumption
- Individual programming and central control of washing programs
- Multiple-media washing circuits permitting the use of different ink systems

## ■ Roller washing

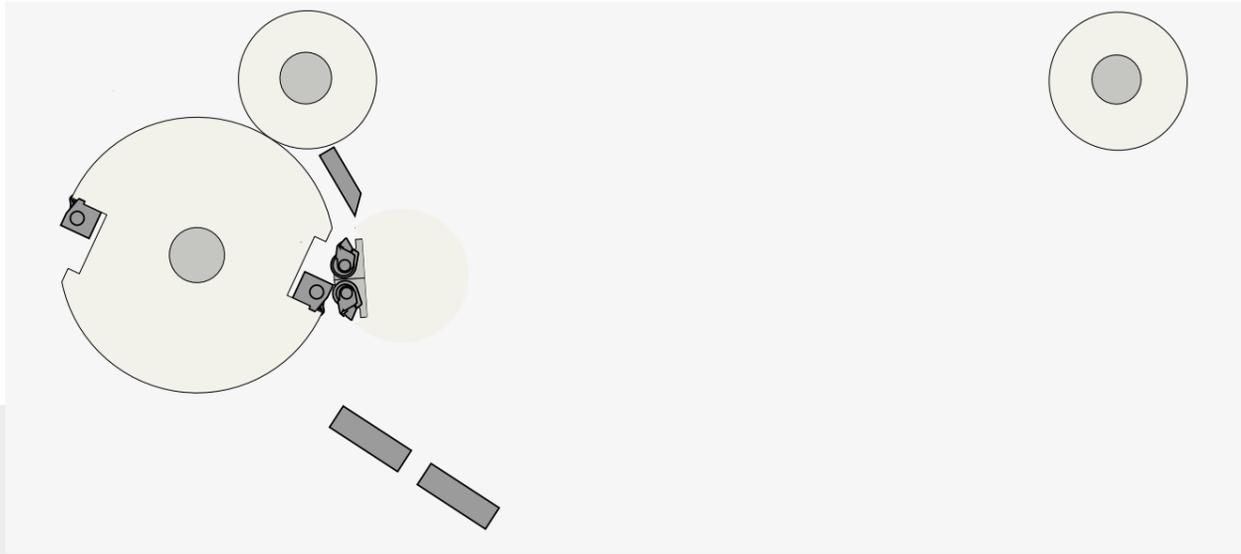
- Individual programming and central control of washing programs
- Multiple-media washing system permitting the use of different ink systems



## ■ "Print clean" function

- Specific stripping of the remaining ink from plate and blanket
- Reduced blanket washing times
- Enhanced production stability with thin materials



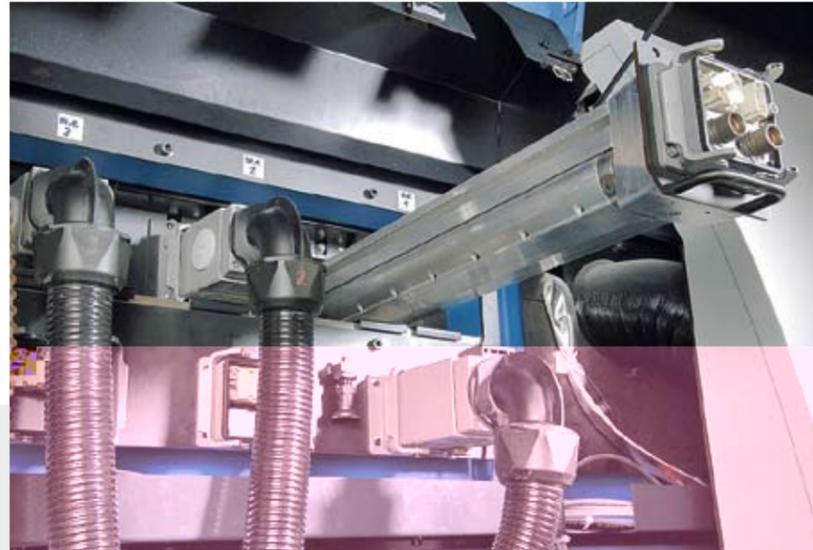


## Dryer systems



### ■ VariDry IR/hot-air

- Carbon twin lamps with IR power rating of 60 W/cm
- Lamp replacement without tools
- Automatic pile temperature regulation and dryer control
- Can be installed as final dryers, as intermediate dryers or in a dryer tower



### ■ VariDry UV

- Compact dryer module with UV power rating of 160 W/cm (stepless control)
- Lamp replacement without tools
- Automatic pile temperature regulation and dryer control
- WashTronic for enhanced productivity and maximum service life of the UV lamps
- Multiple-media connector permits free positioning of modules as final or interdeck dryers



## Delivery



### ■ Sheet travel

- Speed-compensated gripper opening cam for a broad range of substrates
- Fan modules and blower bars promote optimum pile formation
- Light barriers to guard the hazardous area

### ■ Touchscreen display

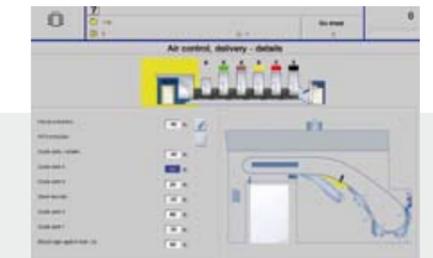
- Touchscreen display with direct function keys for reliable and intuitive press operation

### ■ Powder sprayer

- Speed-compensated and format-dependent powder metering

### ■ Sheet brake

- Sheet brake with pre-suction plate and variable speed to facilitate smooth sheet delivery
- Automatic format setting
- Individual air setting for suction rings



### ■ Extraction system

- Elimination of health hazards from ozone and VOC emissions

### ■ Extended delivery

- Enhanced productivity through fast drying times
- Optimised sheet travel for high printing speeds
- Available extension lengths: 1,400 mm, 2,400 mm, 3,800 mm



## Non-stop systems



### ■ Feeder

- Non-stop system with individual rods for uninterrupted production during pile changes
- Fully automatic non-stop rake, with monitoring sensors for pile transport and pile reunion
- Pile insertion and removal possible from all three sides

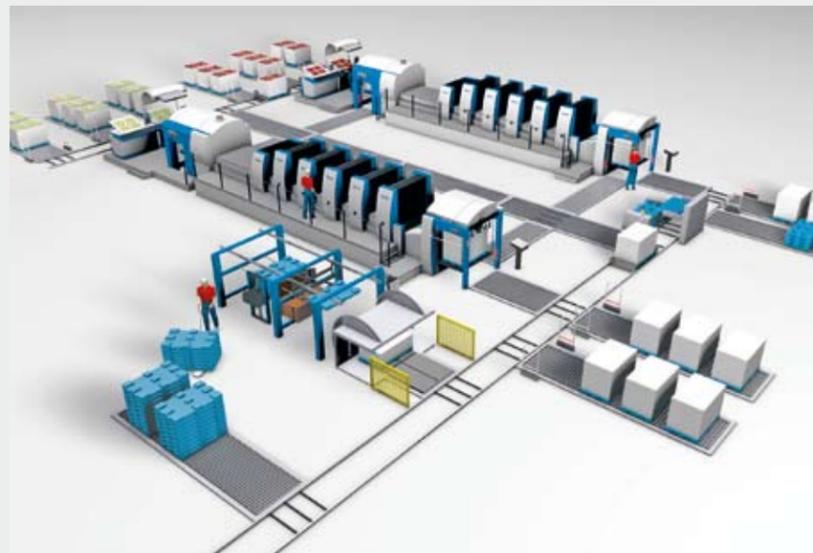


### ■ Delivery

- Non-stop pile change possible at full production speed
- Lowerable non-stop roller rack extended automatically in the direction of sheet travel
- Sensor monitoring for lifting/lowering of main and auxiliary piles

### ■ PileTronic logistics

- Networking of press control, non-stop systems and pallet handling for maximum production efficiency
- Range of proven logistics modules available
- Elaboration of customer-specific solutions
- Paper supply without pallets possible



## Console and workflow management



### ■ ErgoTronic Professional control console

- 19" TFT touchscreen for ergonomic access to all press functions
- USB port for fast communication of job data
- ColorTronic ink metering with ink profile displays on console
- Motorised console height adjustment and 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 changeover program for automatic job presetting
- Job-specific saving of all relevant press parameters for repeat jobs
- Presetting of format and substrate thickness
- Presetting of all substrate-specific air settings
- Job-specific presetting of ColorTronic ink metering
- Remote register setting
- Presetting and selection of washing functions
- Control for all peripheral equipment
- Maintenance indicator

### ■ LogoTronic

- Ink profile presetting via CIP3 data
- **LogoTronic Professional**
- Comprehensive management system for KBA presses:
- CIP4/JDF 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
- Report functions



# Service



## Remote maintenance

- Integrated remote maintenance module in every press (remote maintenance free of charge during the warranty period)
- Most comprehensive remote maintenance functionality and longest experience on the market
- Access to individual printing unit controllers possible
- Fast assistance and problem remedies in up to 80% of all cases – without need for service visit or spare parts
- Telephone hotline free of charge during the warranty period
- Immense time and cost savings
- Increased availability of the press

## Spare parts service

- Comprehensive product and quality tests for original KBA parts
- Efficient advice from our service specialists and unambiguous identification of parts
- Guarantee of outstanding precision, high reliability and maximum service life
- Spare parts in line with the latest state of the art
- High availability of over 2.5 million parts
- Fastest possible delivery of spare and accessory parts

## Retrofits

- Adaptation of already installed presses to changing market conditions
- Possibilities to shorten makeready times, reduce waste or further improve quality
- Considerable experience gained in the course of many successful modernisation projects
- Comprehensive measures to raise press productivity possible



# Technical data



## Sheet format:

Maximum (straight printing/perfecting)	740 x 1060 / 740 x 1060	mm
Minimum (straight printing/perfecting)	340 x 480 / 400 x 480	mm

## Print format:

Maximum	730 x 1050	mm
Maximum before perfecting	720 x 1050	mm

## Substrates<sup>1)</sup>:

Standard	0.06 - 0.7	mm
with lightweight equipment	0.04	mm
with board-handling equipment	1.2	mm
with corrugated equipment	1.6	mm
Press with perfecting	0.8	mm

## Production speed<sup>2)</sup>:

Up to 8 printing units	18,000	sheets/hr
Press with perfecting in straight mode, up to 8 printing units	18,000	sheets/hr
Press with perfecting in perfecting mode, up to 8 printing units	15,000	sheets/hr

## Pile height<sup>3)</sup>:

Feeder	1,300	mm
Delivery	1,200	mm

## Plate and blanket dimensions:

Plate size	795 x 1060	mm
Standard copy line	36	mm
Blanket size	860 x 1070	mm

<sup>1)</sup> Printability is also influenced decisively by the flexural rigidity of the substrate  
<sup>2)</sup> Dependent on individual processing parameters, e.g. the inks and substrates used  
<sup>3)</sup> From floor / without non-stop operation