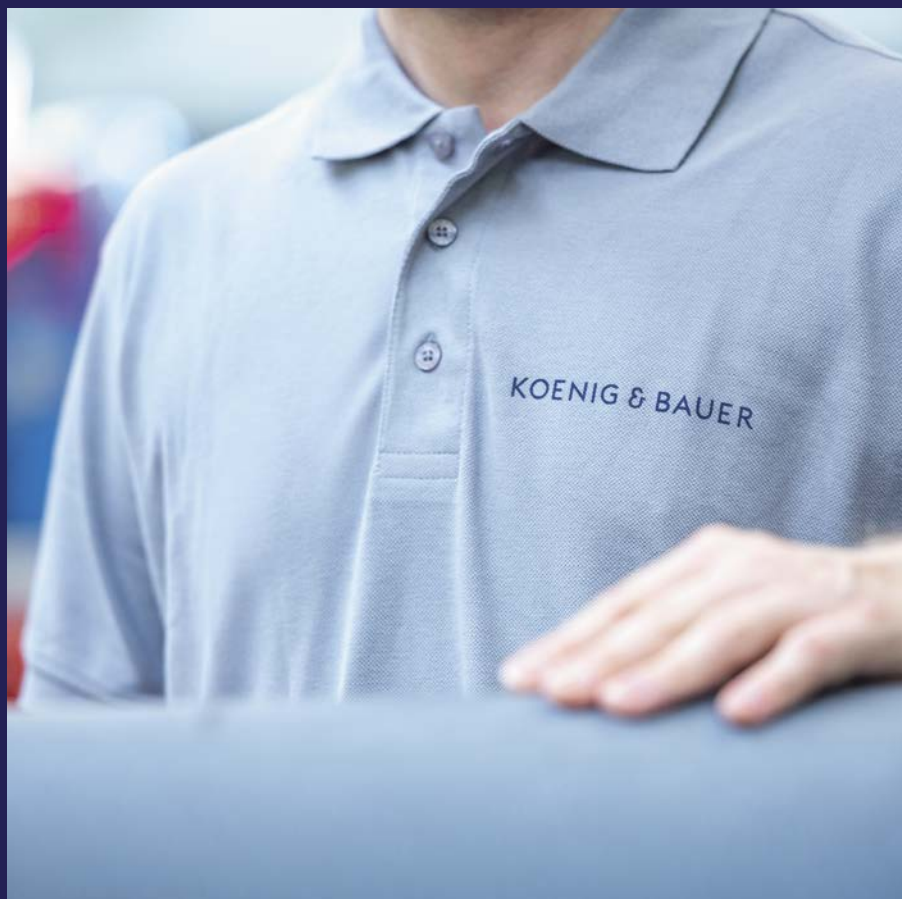


KOENIG & BAUER

# Services and solutions for your Rapida



we're on it.



**Services and  
solutions for  
your Rapida**

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# Sheetfed Service – About us

### **Solution provider over the entire lifetime of a press**

Koenig & Bauer is more than just the manufacturer of your printing press. We view ourselves as a provider of complete solutions which help you to be more successful on the market. In addition to a high-performance press, this means professional, reliable and comprehensive services – worldwide and at any time of the night or day.

### **Service makes the difference**

There is more to our Rapidas than just “iron”: Alongside the outstanding technical features of the presses, the services offered by Koenig & Bauer are the key to maximum availability, ultimate performance and top print quality, and thus secure the satisfaction of your customers.

Over the following pages, you can discover the multitude of possibilities offered by our product portfolio, and can piece together your own individual service package.



# Service in figures – all data at a glance



24/7

availability of the remote  
maintenance hotline



100

sales and service  
partners worldwide



94 %

availability  
of spare parts

Our service teams are waiting to help  
you – all over the world, around the  
clock and with the most varied solutions.

The current figures give you an idea of the global  
activities of Sheetfed Service.





80 %

immediate problem solutions  
via remote maintenance



670

service staff  
working worldwide



4,000

presses networked  
online worldwide



4.0

digitisation of service  
business



60,000

spare parts  
in stock

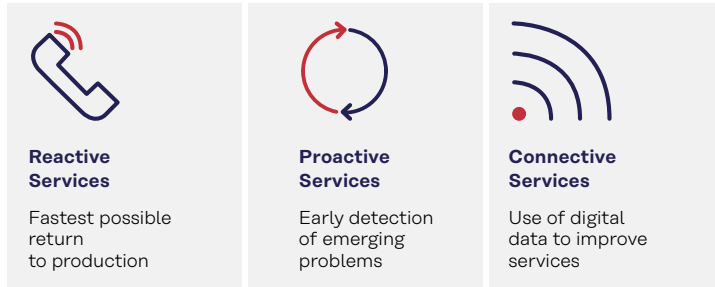


## The matching solution for every service case

Sheetfed Service gets your Rapida back into production as quickly as possible, detects emerging problems already before they are manifested, and uses big data for maximum efficiency.

Our service concept is founded on three pillars. In this way, we can respond individually to any concern you may have in connection with your Rapida sheetfed offset press.

**Our services are divided into the following product areas:**



**Fast and efficient services for 100% performance**

The 3-pillar concept of Sheetfed Service enables targeted solution finding. Whether increased availability, more output, cost savings, extended press functions or fast and reliable spare parts supplies – Koenig & Bauer has the answer to all your needs.

- **Comprehensive service portfolio**
- **Focus on maintenance and process improvement**
- **Product areas permit clear determination of an ideal solution**

# Inspections, maintenance & calibration

### **Preventive maintenance**

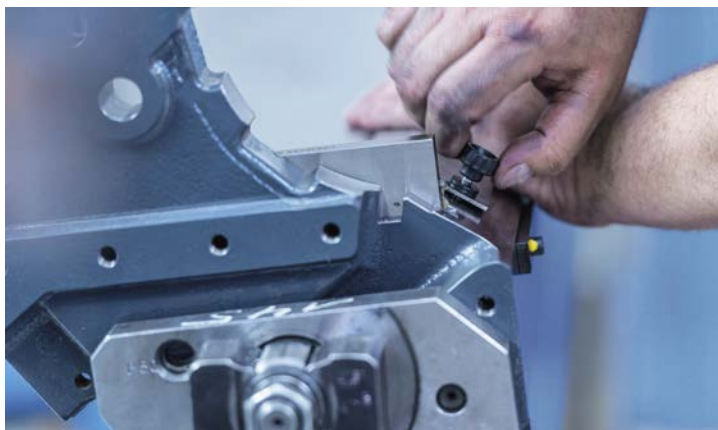
Why preventive maintenance? It is only through constant and conscientious care that the long-term performance of your press can be preserved. And after all, you rightly expect the same high levels of reliability and productivity after many years of operation.

### **Electrical and mechanical press inspections**

Regular inspections are a further important contribution to a long service life and a dependably efficient print process. To this end, our service team conducts a comprehensive and detailed analysis of the current condition of your press. You then receive recommendations on necessary maintenance and repair measures.

### **Modern measuring and analysis methods**

This process can be supported with a multitude of special services, from tailored maintenance checks to tests to assess registration accuracy. With the measuring and analysis methods at our disposal, we bring your press into the best possible shape for reliable and effective production, and then ensure that it stays that way in the future.



**Preventive maintenance and inspections help to safeguard the performance of your press.**

# Press inspections – the basis for ultimate availability

Regular inspections are important to identify and rectify maintenance deficits, wear or damage to your Rapida in good time. Unplanned downtimes are avoided, as the basis for sustained performance.



## Inspections according to a standardised checklist

Our qualified service technicians perform a detailed inspection of all mechanical and electrical components according to a standardised checklist, in order to assess the current technical condition of your press. These checks address more than 210 individual items and cover all the main systems and press components.

## Identify areas where action is necessary

A comprehensive report analyses the inspection results, providing information on the condition of both the press as a whole and individual components, on the distribution of relevant findings and on the expected duration of appropriate repairs. Reasons are also given for any wear which is determined.

## Spare parts recommendations according to urgency of replacement

The assessment system used to evaluate the inspection results permits prioritisation of the part replacement recommendations according to the extent of wear and the potential impact on production. You receive a full list of the inspected parts, weighted according to the urgency of replacement. This enables you to focus on the most critical points and helps you to use your spare parts budget most effectively.



The inspection results are presented in a series of diagrams and prioritise recommended part replacements according to their urgency.

- **Increased availability by avoiding damage and downtimes**
- **Clear presentation of the results helps to identify areas where action is necessary**
- **Prioritisation of spare parts according to the urgency of replacement**

# Maintenance – with a focus on particularly critical components

Our maintenance checks revolve around close inspections of those components with a critical influence on production. This includes the replacement of specified wearing parts as a preventive measure to avoid unplanned downtimes.

There are various press components which are subjected to especially high mechanical stresses during production, but are at the same time decisive for the continued reliable availability of your press. Particular monitoring of these components is thus imperative. The following criteria are determining factors:

- Especially high costs for repair in case of damage
- Especially high risk of consequential damage to further components
- Especially high impact on production, possibly including press stoppage



**The preventive replacement of wearing parts during a maintenance check immediately improves the overall condition of the press.**





### **Immediate improvement through the preventive replacement of wearing parts**

Following a procedure similar to that of a press inspection, maintenance checks include assessment of the mechanical and electrical condition of individual components according to a standardised checklist. During maintenance, specified wearing parts are replaced as a preventive measure, providing for long-term improvement of the press availability. The inspection results are summarised in a report, as the basis for a list of recommended spare parts – prioritised according to the urgency of replacement.

- **Preventive inspections of critical components**
- **Immediate replacement of specified wearing parts**
- **Spare parts recommendations according to the urgency of replacement**



## Print Quality Test – ultimate print quality through perfect transfer register

The Print Quality Test is used for quality control, adjustment verification and error analysis on Koenig & Bauer printing presses. The transfer precision of the gripper systems is determined by evaluating special register marks, and relevant optimisation measures are proposed.

A special test sheet is printed according to an exactly defined procedure, and the register accuracy is subsequently evaluated in a standardised two-stage process using the LUCHS IV register measuring system:

- Stage 1: Evaluation in accordance with the technical guidelines issued by the BVDM (German Printing and Media Industries Federation) / Fogra Research Institute for the acceptance of sheetfed offset printing presses
- Stage 2: Koenig & Bauer guidelines on the determination of print length and transfer register differences

### **Identify and eliminate register inaccuracies**

The test prints are produced by the user's own personnel in accordance with a detailed process description. The standardised report output by the LUCHS IV measuring system provides unambiguous pointers to differences and deviations, and indicates where corrective action should be taken.

If the measurement results lie outside the permissible tolerances, the gripper systems on the press are checked and adjusted, followed by renewed testing to verify the improvement. The Print Quality Test is especially recommended as a preparatory measure in advance of a press inspection, as this enables targeted rectification of any problems identified.

- **Identification of register differences in a standardised procedure**
- **Print quality is maintained at the highest level**
- **Avoids waste, flawed prints and customer complaints**

# QualiTronic calibration – certified measuring accuracy

The QualiTronic measuring system performs measurements of exceptional precision to enable automatic inline colour control and thus determines the print quality to a significant degree. Calibration of the system verifies measuring accuracy, as a basis for certification of the results.





### **Calibration of the measuring systems**

As a response to the growing quality demands of your customers, you can configure your Rapida printing presses with a variety of quality measurement and control systems. The inline systems all bear the name QualiTronic. On the basis of defined reference values, they measure and control quality parameters during actual production.

Even from a distance of 1.5 metres, the measuring accuracy of the system is so high that colour densities can be measured to within 0.01.

### **Convince your market with certified measuring accuracy**

Careful verification and calibration of your measuring systems is a prerequisite for constantly reliable measurement results. If a system is operating outside the tolerance limits, it may go unnoticed that its measurements are falsified. It is only through regular calibration of the measuring systems on your Rapida that you can be sure of absolute measuring precision and thus perfect print results at all times. You can even obtain confirmation of this promise in the form of a certificate.

- **Identification and rectification of measurement deviations**
- **Improved print quality and reduced waste**
- **Certificate and test seal as proof of ultimate measuring accuracy**

# ErgoTronic calibration – for ultimate precision in colour measurement

The ErgoTronic measuring head is part of an automatic colour measuring system and serves to measure and control optical densities. The opening of the ink keys is controlled either statically or dynamically in accordance with the results obtained. Calibration of the ErgoTronic system identifies possible deviations in the measured values and presents these findings in a comprehensive report.







### **Precision technology for absolute print quality**

The ErgoTronic measuring head is integrated into a measuring beam on the desk of the ErgoTronic console and scans colour bars at any position within the printed sheet. The opening of the ink keys is then controlled either statically or dynamically in accordance with the measurements from the colour bars.

### **Safeguard your measuring accuracy**

The measuring accuracy is determined using a colour chart with defined Lab values, a USB flash drive in card format, and step-by-step instructions describing the procedure to be followed on the console screen. The check can be performed quickly and simply by your own press operators, and the evaluation of the results, including a comprehensive report, is presented immediately.

- **Fast and simple verification of the measuring process**
- **Safeguards constant print quality**
- **Calibration can be performed by your own personnel**

# PressSupport24 24/7 support from the manufacturer

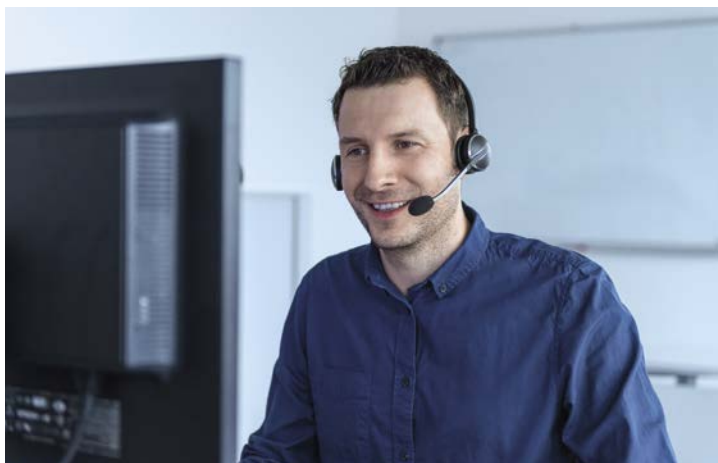


### **Fastest possible solution finding**

PressSupport 24 provides for reliable processing of your service calls, as the starting point for targeted solution finding. Whether telephone support, remote maintenance access, analyses of performance data or video communication – we utilise all modern-day possibilities to preserve the availability and performance of your press.

### **We know exactly how it functions**

Remote diagnosis tools have been standard features on the consoles of our Rapida sheetfed offset presses since 1995 – an important prerequisite for constant high performance. In connection with PressSupport 24, in particular, digitisation is enabling ever more effective services.

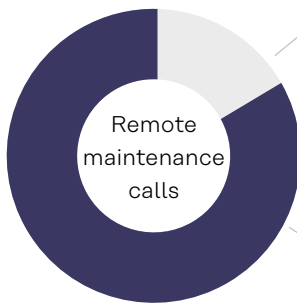


**The experts of the PressSupport 24 team are on hand with advice and assistance whenever you need them.**



## Remote maintenance – 24/7 support from our specialists

The Koenig & Bauer remote maintenance service offers efficient online diagnosis and fast telephone support in case of production disturbances – at any time.



### **20% of calls result in:**

- visits by a technician
- spare parts orders

### **80% of cases are solved by remote maintenance:**

- 30% with support from customer personnel
- 50% without customer intervention

In 80% of cases, the problem reported by the customer can be solved directly by remote maintenance – without the need for a technician to visit the press. Service costs and downtimes are reduced, and your press is back in production as quickly as possible.

### **Data security is a top priority**

Online connections via a Virtual Private Network (VPN) with special data encryption guarantee absolute data security. With this broadband solution, our remote maintenance experts can be offered fast, inexpensive and secure access to your Rapidas.

- **24/7 support from our specialists**
- **Avoids time- and cost-intensive visits by a technician**
- **Absolute data security through access routing via VPN**



# PressCall – service at the press of a button

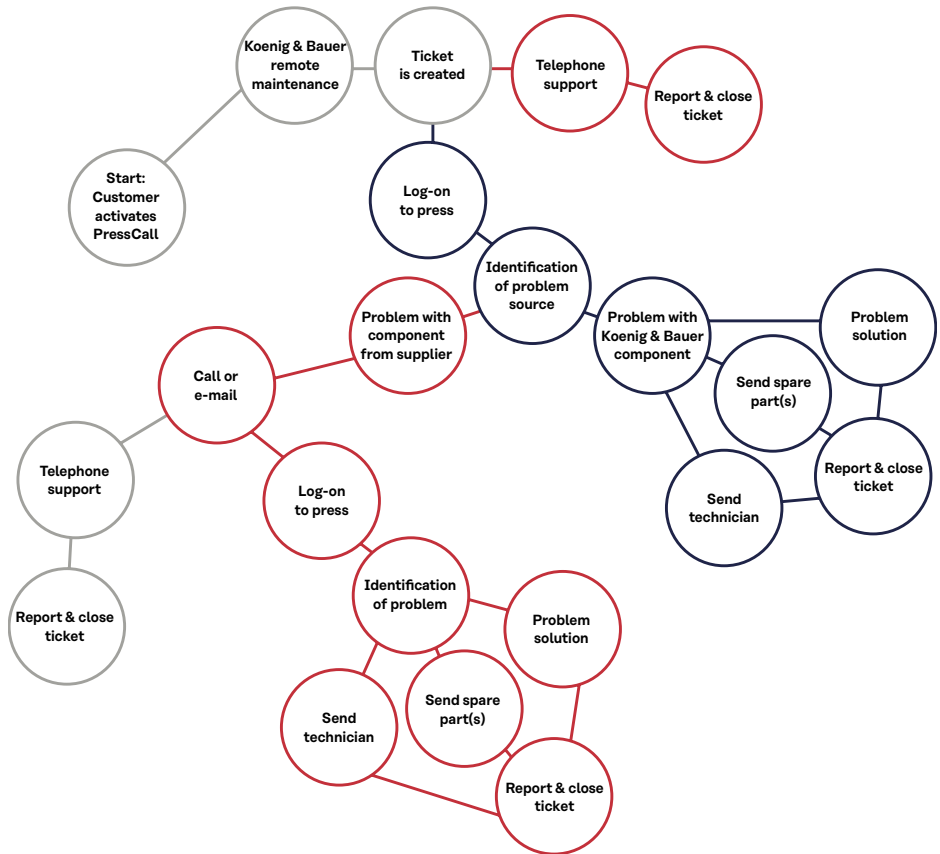
Phone calls by the press operator were yesterday: With PressCall, production disturbances are reported directly from the press.

PressCall eliminates the need for users to make a phone call to the Koenig & Bauer PressSupport 24 hotline. All data relevant for remote maintenance are communicated directly to our service experts – without delays or detours. They form the basis for even faster solution finding.

The PressCall button offers numerous benefits:

- Optimised problem notification and ticket creation
- Unambiguous identification of the press
- Fast and active feedback from our specialists
- Fewer incorrect data inputs and less risk of misunderstandings
- Visualisation of the processing status for the caller

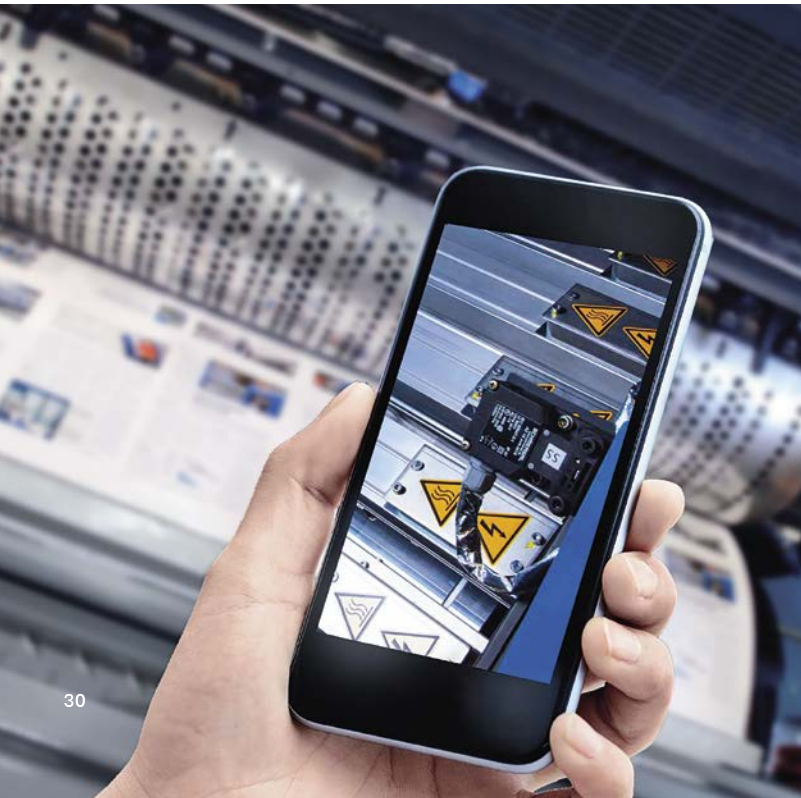
### This is what happens behind the scenes:



- More efficient problem notification and ticket creation
- Fast and active feedback from our specialists
- Simple installation without interrupting press operation

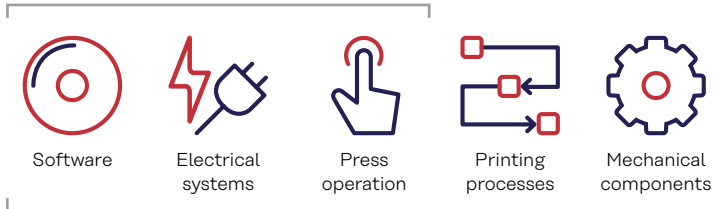
# Visual ServiceSupport – most efficient solution finding through visual communication

A bi-directional video link significantly improves the efficiency of communication between press operators and the remote maintenance hotline, and expands the options available for solution finding.



**With Visual ServiceSupport, remote maintenance can be expanded to cover further elements of the press:**

Scope of typical remote maintenance solutions



Koenig & Bauer remote maintenance with Visual ServiceSupport

An app on the customer's mobile device supplements voice communication by enabling live video streaming directly to the remote maintenance engineer.

### **Visual communication for fast solution finding**

Numerous tools to mark and highlight individual transmitted images, including still frame and screenshot functions, simplify reliable diagnosis of the situation at the press. If necessary, the remote maintenance engineer can mirror his own monitor screen contents to the customer's display in order to provide technical explanations or further information.

### **Extended field of vision opens up new avenues for support**

The use of Visual ServiceSupport lends the remote maintenance engineer a significantly wider "field of vision": He sees exactly what the operator or service technician at the press can see, and can now observe relevant press functions and processes as moving images. This broader view of the overall situation further accelerates identification of the necessary solution.

- **Maximum efficiency of communication**
- **Extended view of the press and its environment**
- **Faster solution finding**



# Performance reports – all key indicators at a glance

As graphic presentations of the most important production-relevant data from your press, performance reports permit the early recognition of trends and patterns as well as internal and external benchmarking.



Koenig & Bauer collects a selection of relevant performance data from your Rapida sheetfed offset press via a static VPN connection. Key parameters such as production output, printing speeds and press availability are analysed accordingly. At monthly intervals, you then receive graphic documentation of the most important performance indicators.

### **Keeping an eye on your production and the competition**

The performance data presented in a performance report are compared with the values collected over the past five months. This provides insights into the way your production may have changed. Trends can be recognised as they emerge. In addition, you can benchmark the performance of your Rapida against the top ten presses with an identical configuration. Discover and make use of the potential for further improvement.

- **Reports can be generated in 14 languages**
- **Early recognition of trends and patterns**
- **Identification of improvement potential through internal and external benchmarking**

# Retrofits & upgrades

### **Stay competitive with retrofits & upgrades**

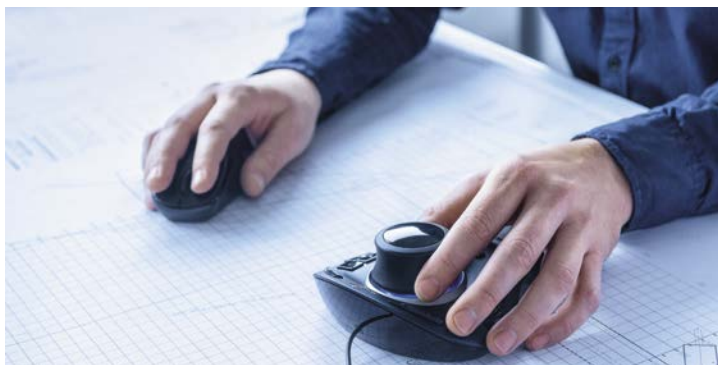
Technology development cycles are today shorter than ever before, and changes sometimes arrive faster than you were hoping. Your current equipment was the latest state of the art just a while ago, but a successor model is already coming into the news. If your press is no longer deemed up-to-date, you run the risk of losing out to a competitor with a more modern alternative.

### **Keep your Rapida up-to-date**

Expand and upgrade your sheetfed offset press with additional, profit-enhancing features. Our experts would be glad to advise you on the possibilities and can calculate your expected return on investment. Based on the setup of your company and your specific press configuration, we can together explore the savings potential and identify scope for meaningful expansion.

We offer you retrofits and upgrades in the following categories:

- Faster makeready
- Further improved print quality
- Press expansions



**Retrofits and upgrades are planned and realised by our specialists as integrated projects**



# Cold foil application inline – for special effects

With inline cold foil application, you can add impressive finishes to your print products and stand out proudly above your competitors.

## **Shining prospects for your print products**

Complex offline foil application using a letterpress machine or dedicated flexo printing unit is no longer necessary, because the cold foil modules from Koenig & Bauer enable you to apply such special-effect foils via two normal printing units of your sheetfed offset press.



The first unit is used to apply an adhesive – via the ink duct and an offset plate in the same simple manner as an ink. The second unit then handles the actual foil application. To this end, the foil web is passed through the impression gap between blanket and impression cylinder, where it comes into contact with the substrate. Particles of aluminium from the metallised carrier are thereby transferred to the sheet in the areas to which adhesive was applied. Immediate inline overprinting with conventional or UV-reactive inks produces a dazzling array of metallic colours – all in perfect registration.

- **All-over or partial foil finishing at up to 18,000 sheets per hour**
- **Use of standard offset plates, rollers, solvents and blankets to apply the adhesive**
- **Fast and simple job changeovers**

# Reel sheeter unit – material cost savings with reel stocks

The reel sheeters enable you to use convenient and less expensive reel stocks on your sheetfed offset press.



### **Make production even more cost-effective**

With a reel sheeter unit from Koenig & Bauer, reel stocks can be cut into sheets in a fast and efficient inline process. The use of substrates supplied as a reel offers numerous benefits in terms of cost savings, process stability and material utilisation. It is possible to load and print substrates which are only available as reel stocks, as well as leftover reel stubs from a web press. The format length can be set to the nearest 0.1 mm at the touchscreen. This enables you to handle special formats without unnecessary waste and without needing to purchase expensive custom-cut sheets.

- **Savings potential of 14 – 20 % when using reel stocks instead of pre-cut sheets**
- **Sheet travel is improved by avoiding double and skewed sheets**
- **Job-specific cut-off length avoids trimming waste**
- **Use of leftover reel stubs from web-fed production**
- **High running speeds with thin or coated papers and with other demanding substrates**

# Sheet travel performance upgrade

Technical further development of press components at the feeder and delivery serves to optimise sheet travel, improves pile quality and enhances your production performance.

## **Improved sheet feeding**

A modified feeder head compensates deviations in the substrate or pile quality, and permits the handling of difficult substrates which in the past often resulted in repeated stoppages and additional waste. The optimised gate flap and new sheet guiding elements improve sheet transfer into the press. If your Rapida is configured with non-stop logistics at the feeder, the facility for lateral adjustment of the non-stop rake lends additional support.

## **Optimised pile formation at the delivery**

The dynamic sheet brake in the delivery provides for controlled deceleration of the incoming sheets. This significantly improves pile quality, which is in turn a key to trouble-free further processing of the printed sheets. In the non-stop delivery, additional supporting fingers, optical sensors and pre-positioning of the non-stop rollers stabilise the pile changing process. Non-stop pile changes function safely and smoothly even at maximum production speed.







### **Up to 1,500 sheets more per hour**

Optimised sheet travel is a proven means to further enhance the performance of your press. In practical tests, our users achieve speed increases of up to 1,500 sheets per hour. With this additional output, the investment in the upgrade is paid back in next to no time.

- **Speed increases of up to 1,500 sheets per hour**
- **Greater flexibility and expansion of the range of substrates handled**
- **Less waste and fewer interruptions to production**

# QualiTronic – ensuring high quality print results

To enable users to answer the ever higher quality demands and expectations of their customers, Rapida presses can be equipped with a diversity of quality measuring and control systems. These systems contribute to faster makeready, help to reduce waste, and ensure constant high quality in print production.



**QualiTronic ICR**

The automatic inline register measuring system functions with a sensor which is integrated directly into the press to enable the fully automatic evaluation of register marks in the Koenig & Bauer colour bars.

**QualiTronic ColorControl**

Our QualiTronic ColorControl system measures and controls ink densities directly on the press. The camera system permits automatic measurements of optical density in the colour bars. The measured values serve as the basis for fast dynamic inline control of the ink key settings.

**QualiTronic PrintCheck**

QualiTronic PrintCheck expands the inline colour measuring system QualiTronic ColorControl to include inline sheet inspection. Production is monitored on the basis of the first good sheets. Image flaws are indicated and documented – with absolute reliability right up to the maximum production speed of the press.

**QualiTronic PDFCheck**

QualiTronic PDFCheck compares a freshly printed sheet with the PDF data from pre-press. After approval of a reference sheet, production is monitoring according to this virtual reference – as soon as the good sheet counter is started.

- **Constantly higher print quality**
- **Immediate correction of deviations**
- **Less waste during the production run**



# FAPC – faster makeready with fully automatic plate changes

FAPC – *Fully Automatic Plate Change* – permits fully automatic, simultaneous plate changes in all printing units, including zeroing of the register systems.

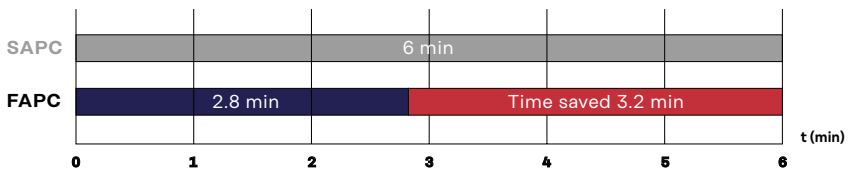
### Faster makeready through automation

The print industry is experiencing a constant shift towards shorter runs and thus ever more frequent job changeovers. Especially in short-run production, plate changing can turn out to be a time-consuming process if you are not using the right technology.

### 50% time savings thanks to an attractive retrofit

With FAPC, you save up to 50% of the time spent on plate changing with a semi-automatic system (SAPC). The time savings compared to manual plate changing are even more substantial. This leaves you with additional production time and the capacity to further increase your output. The greater the number of job changeovers to be performed, the greater the savings potential.

**Time-saving potential in plate changing; here the example of a Rapida 105-6+L**



- Faster makeready
- Additional production capacity
- Increased process reliability

# Printing units and coaters – extended production options

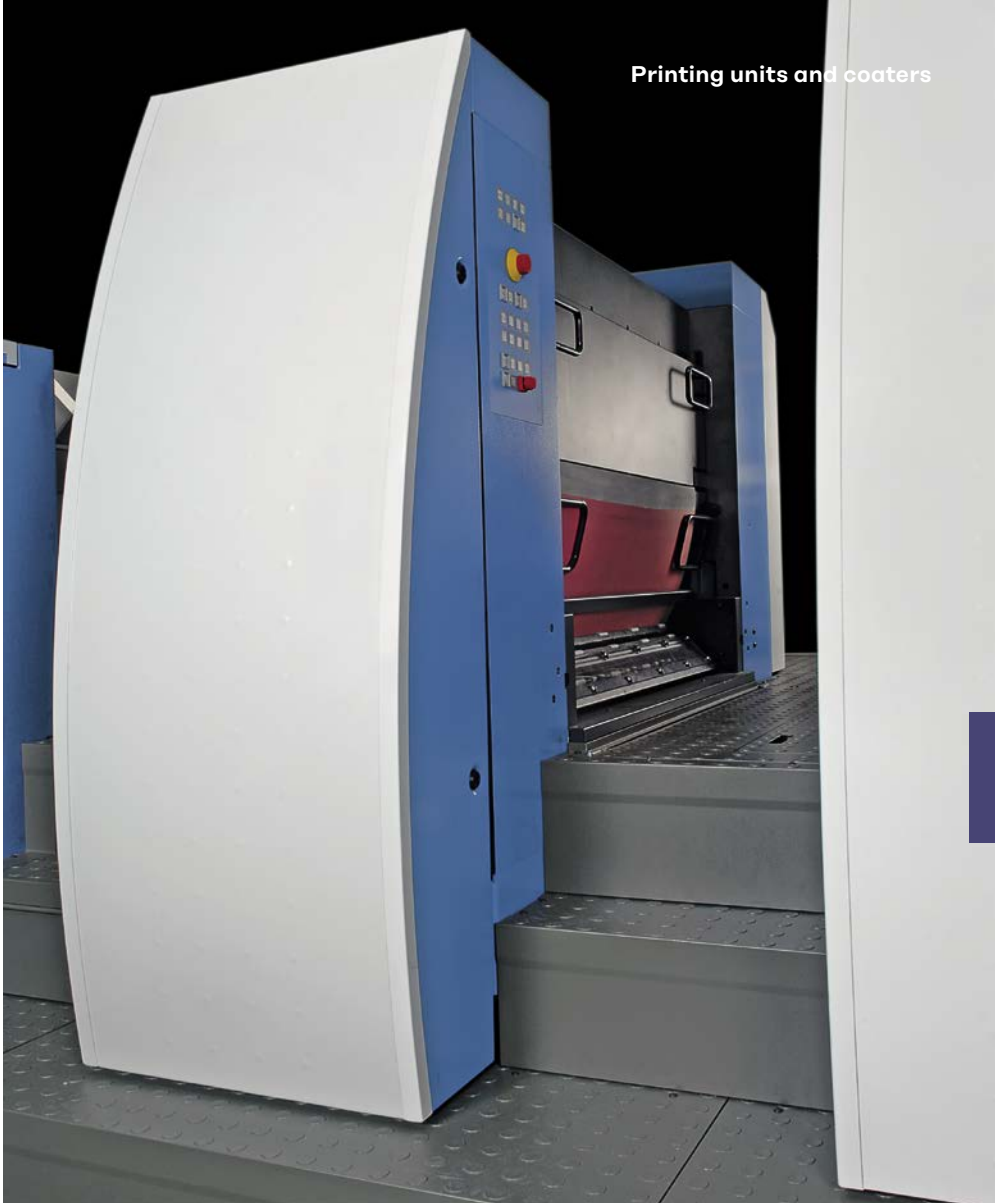
The retrofitting of additional printing units or coaters expands your product portfolio and strengthens your market position.

## **More production options on your Rapida**

Would you like to be able to offer your customers more options, for example individual finishing or spot colours? Or perhaps your objective is to print more jobs as a single production run, in order to save valuable production time and costs? Expansion of your Rapida with additional printing units or coaters enables you to respond better and faster to the wishes expressed by your customers.

## **Necessary expertise to realise your projects**

The integration of an additional printing unit or coater is a complex project. But you can depend on the expertise and know-how of our specialists. They realise your press expansion reliably and professionally – and you are back in production at the highest level as quickly as possible.



- Expanded product portfolio
- Improved competitiveness and market position
- Comprehensive expertise





## Logistics systems – for more productivity in the press room

Tailored logistics solutions provide  
for uninterrupted production and  
efficient material flows.



**Tailored solutions for your production requirements**

When printing on heavier substrates, pile changes are especially frequent. That means: Stop the press, switch the full and empty pallets, restart the press – and many minutes of valuable production time are lost each time.

Non-stop systems at the feeder and delivery allow for uninterrupted production and smooth pile changes at full production speed.

**Non-stop operation at the feeder**

- Non-stop system with individual rods, or
- Fully automatic non-stop system with sensor-monitored rake for pile transport and pile reunion

**Non-stop operation at the delivery**

- Lowerable roller rack extended automatically above the main pile
- Sensor monitoring for lifting/lowering of the main and auxiliary piles

**PileTronic**

- Networking of press control, non-stop systems and pallet supply for efficient print production
- Pallet-free paper supply is possible

# DuraPrint rollers – latest ink roller generation

With DuraPrint rollers, you can further enhance both the print quality and production efficiency of your Rapida. In addition, you also reduce solvent consumption and start-up waste.

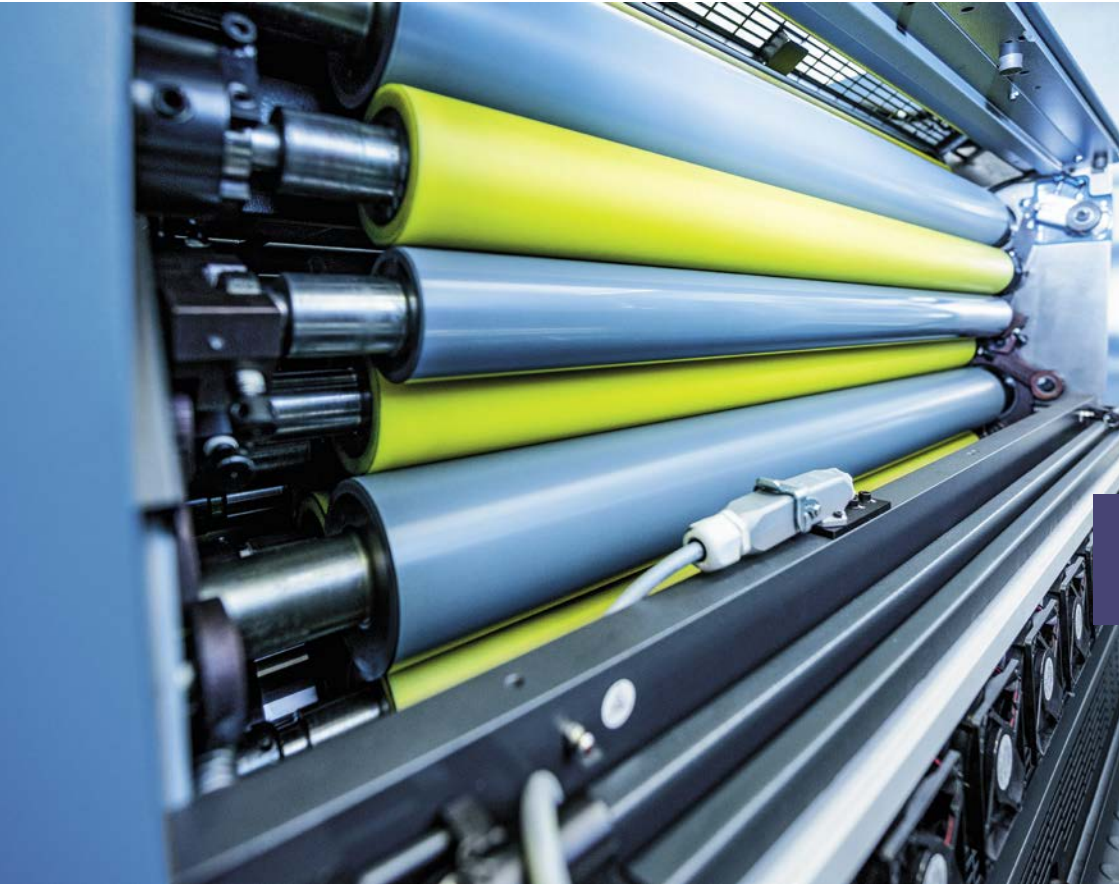
## **Innovative roller coating materials**

DuraPrint is a highly innovative, patented and fully homogeneous elastomer material with ISEGA low migration certification.

It is characterised by a particularly long service life. DuraPrint ink rollers are suitable for use in all typical print processes: In both UV and conventional printing, including also alcohol-free and low-alcohol applications.

## **Shorter washing times and solvent savings**

The smooth, homogeneous surface displays a reduced dot gain variation and significantly greater dimensional stability compared to conventional rubber rollers. As the ink is unable to penetrate into the homogeneous surface of the DuraPrint roller, much less solvent is needed for roller washing. The washing times are also shorter. Thanks to the constant ink transfer, furthermore, there is significantly less waste before good sheets are produced.



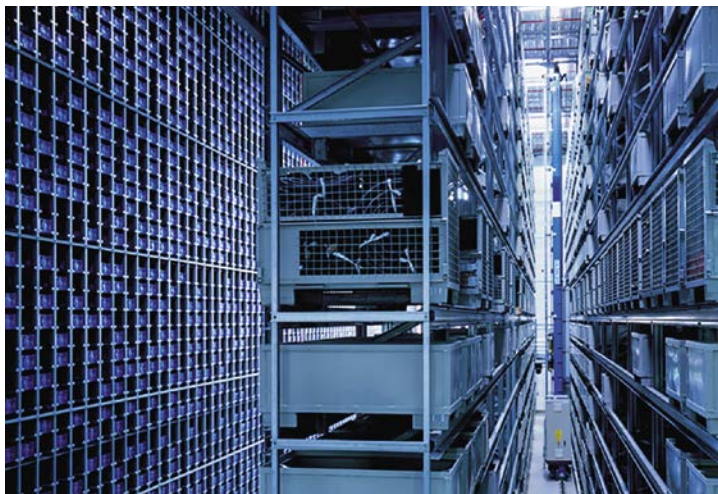
- Suitable for use in conventional, UV and mixed applications
- Significant reduction in solvent consumption and simpler cleaning
- Less start-up waste and improved print quality

# Spare parts, consumables & accessories

### **Global and systematic spare parts supplies**

Almost all spare and wearing parts for Koenig & Bauer sheetfed presses can be supplied directly from stock. And in practically 100 % of cases, you can expect delivery within 24 hours – worldwide.

Many of the parts which are used in our sheetfed offset presses are subject to continuous further development. For older press generations, in particular, the latest spare parts enable meaningful modernisation and enhance the long-term value of the press. Your Rapida serves you daily with production at the highest level. Repay this loyalty – with original spare and wearing parts from Koenig & Bauer.



**Practically all spare and wearing parts can be supplied directly from stock.**

# Spare parts in manufacturer quality – maximum service life and worldwide availability

A single defective component has the potential to bring production to a standstill and may even endanger the safety of printshop personnel. To get your Rapida back into production as quickly as possible, we provide for dependable supplies of high-quality, genuine Koenig & Bauer parts.

## **Maximum parts availability**

With over 2.5 million original parts in stock, we can promise you fast delivery at all times – 24 hours a day, seven days a week in case of emergencies. Our specialists are ready to help you whenever you need them. In addition, our interactive spare parts catalogue aids identification of the required parts. This catalogue is created specifically for your printing press and is always available to you online and up-to-date with an integrated shopping basket function.

## **Original parts for genuine quality**

Koenig & Bauer original parts undergo comprehensive quality testing before integration into our product catalogue. In this way, we are able to guarantee maximum reliability and a long service life.



- Original manufacturer quality
- Very high parts availability
- Deliveries within 24 hours





## Press Consum – our product line for pressroom consumables

The brand name Press Consum stands for quality-tested pressroom consumables, optimised for maximum performance on Koenig & Bauer presses.



### **Perfect interactions between press and consumables**

Our Press Consum products were created to meet the various demands of high-performance sheetfed offset printing and have been optimised specifically for use on Koenig & Bauer presses. To guarantee a constantly high level of quality and performance, we work together with recognised test institutes, whose regular monitoring confirms the constant high quality of the individual products.

### **Comprehensive range, simple ordering**

Our range of Press Consum consumables comprises fountain solutions, powders, coating plates and blankets, as well as cleaners and care products. They can all be purchased simply and conveniently through the Koenig & Bauer webshop.

- **Consumables optimised for our Rapida presses**
- **Tested quality from a one-stop supplier**
- **Available directly from the factory**

# Preferred suppliers – tested inks and coatings for a stable print process

No need to spend time experimenting – Koenig & Bauer has already conducted extensive print tests, and you can thus rely on maximum press performance with inks and coatings from preferred suppliers.

## **Tested and recommended for Koenig & Bauer sheetfed offset presses**

To help you with your purchase decisions, we have tested the quality and performance of various products from renowned consumables suppliers in our technology centre. Every new press from Koenig & Bauer is supplied with a starter pack of inks and coatings from our partners, individually matched to your product portfolio and press configuration.

## **Time and cost savings**

The time savings begin even before the first saleable sheets are printed: Our technicians require less time for initial print testing when using inks and coatings from a preferred supplier. Your press is ready for production earlier. Furthermore, the inks and coatings are optimised for the high production speeds of the Rapida presses.

## **The key to brilliant colour and effects**

Together with our partner, we ensure an ideal match between LED inks and LED dryers, and you can look forward to a colour brilliance which is second to none. In combination with appropriate effect coatings, this opens up a multitude of outstanding finishing possibilities, both in the high-end segment and for standard products.



- Worldwide experts providing individual advice
- Continuity in performance and print quality



## Plate trolley lift – simplified handling and improved safety

A plate trolley lift can be used to raise plate trolleys to the level of the press gallery. Printing plates, coating formes and other consumables are carried to the press both safely and conveniently.

### **Simple consumables transport**

With the Koenig & Bauer plate trolley lift, up to 60 printing and coating plates up to a width of 1,650 mm, as well as other consumables, are raised conveniently to the level of the press gallery. Especially in large formats and where presses are installed on foundation plinths, this significantly improves handling for the press operators.

### **Maximum load up to 1,000 kg**

The plate trolley lift is designed for a maximum load of 1,000 kg and is operated via two control boxes with an emergency-stop function. The power supply to the lift is by way of a connection in the main switch cabinet of the press. It goes without saying that the lift complies with all provisions of the applicable DIN and EN ISO standards on personnel safety.

- **Simple and convenient transport of plates and consumables**
- **Improved personnel safety**
- **Time savings through faster handling of consumables**

# Ink duct foils – efficient ink changes and cleaning

The use of Koenig & Bauer ink duct foils reduces the time required for cleaning of the ink ducts.

## **Faster ink changes reduce cleaning times**

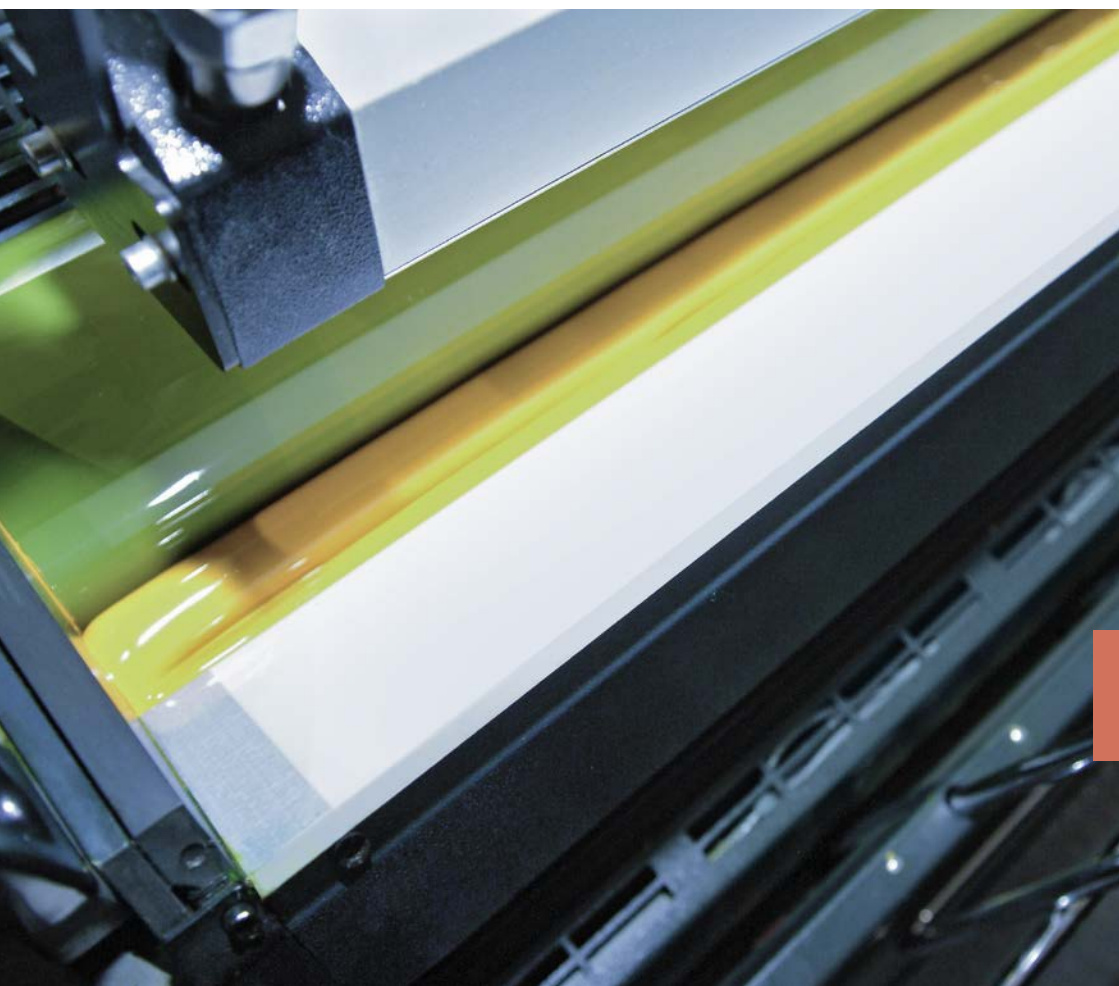
The ink duct foil is attached to the metal surface of the ink duct plate. Thanks to the special surface properties of the foil, the problem of ink adhering stubbornly to the ink duct plate is avoided. The ink can be removed more easily and less time must be spent on manual cleaning. The basic settings of the ink duct are not affected in any way by the foil, as it does not extend into the actual metering gap.

## **Extend the service life of your ink ducts**

The foils can be replaced quickly and simply. They contribute to an extended service life of the ink ducts and thus to the sustained value of the overall press. Just this simple measure exerts a lasting positive influence on the technical condition of your press.

- **Faster cleaning shortens makeready times**
- **Extended service life of the ink ducts**
- **Fast and simple foil replacement**







## Non-stop pallets – further enhance the performance of your Rapida

The use of Koenig & Bauer non-stop pallets avoids pallet-related production disturbances at the feeder and delivery. In-process pile transfers to other pallet systems are also no longer necessary.

### **For optimised processes**

The Koenig & Bauer system pallet is a flat pallet which has been designed specifically for use on your Rapida press. It is an effective means to avoid pallet-related production disturbances at the feeder and delivery.



### Manufacturer-independent system

The special form of the Koenig & Bauer non-stop pallet is also compatible with other printing presses, as well as post-press machines and logistics systems, irrespective of manufacturer. Your additional benefit: There is no need for time- and personnel-intensive pile transfers to other pallet systems, and you can further optimise your daily pressroom processes.

The pure LLDPE base material (linear lowdensity polyethylene) lends the pallet an extraordinarily high static and dynamic load-bearing strength and guarantees a long service life. It is furthermore 100% recyclable.

- **Improved performance and elimination of pallet-related stoppages**
- **Suitable for use across the whole production process**
- **Extended service life and enhanced load capacity**



# Connected services

### **Better service through digital networking**

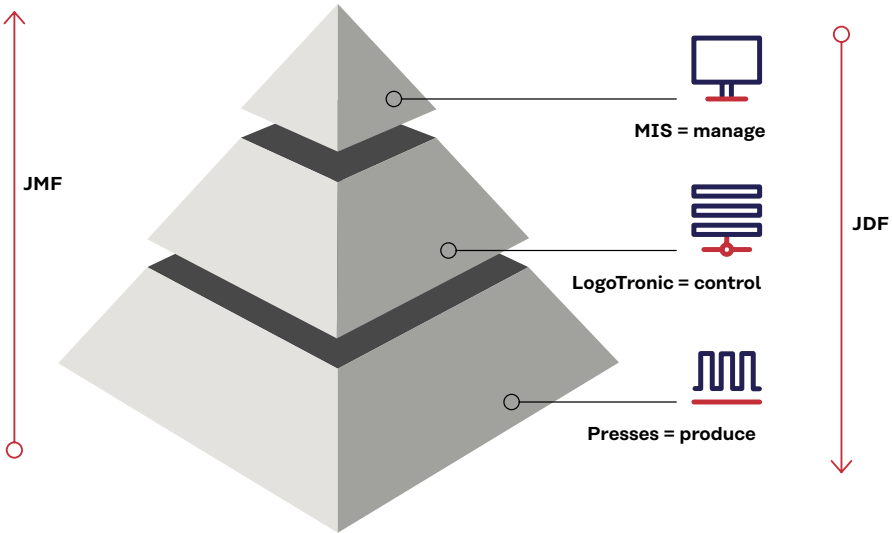
Digitisation has long since arrived in many spheres of our daily work, and the customer services provided by Koenig & Bauer are no exception. Under the heading of “Connected services”, we offer a variety of applications, solutions and service products based on the digital networking of installed presses.

### **Direct support – fast and efficient**

The networking of all production-relevant departments of your print company, the acquisition and evaluation of press performance data, and the efficient predictable planning of service calls – thanks to big data, the quality of our service is raised to a new level. And that benefits you directly, because it lays the foundations for a broad spectrum of connected services – all in the sense of “Industry 4.0”.



**Connected services permit a previously unknown level of efficiency in service.**



The Koenig & Bauer Complete workflow is compatible with the JDF standard and integrates seamlessly into an existing system

## Complete workflow solutions – streamlined processes for efficient production

With the right software tools, work processes are accelerated and the hidden potential in administration and production workflows is revealed.

### **MIS Optimus Dash**

With Optimus Dash, Koenig & Bauer offers a modern, award-winning business software solution with functionality aimed at streamlining work processes (lean production) and significantly reducing non-productive activities (lean management). Regardless of the chosen print process and the substrates to be used, powerful and flexible templates manage the creation and monitoring of jobs for packaging, labels and commercial products.

### **Always in the picture with LogoTronic Professional**

The production planning and control software LogoTronic Professional is the key to a networked print factory. It serves as the link between MIS, pre-press, print and post-press, making presetting data available to the individual presses, and later returning real-time production and resource data to the MIS.

Whether job parameters, production speeds or auxiliary process times, all productive and non-productive press states are recorded, categorised and prepared for output in the form of reports, dashboards and statistics. All information is available across the whole company in real time.

- **Tailored networking solution for more efficient processes**
- **Integration of existing systems and presses**
- **Cost transparency and clearly measurable ROI**

# Service notifications – proactive information on pending service

If a service interval specified by Koenig & Bauer is exceeded on your press, you are informed automatically. This enables you to take timely action and to eliminate the risk of production stoppages.





**If a certain counter value is exceeded, a defined process chain is triggered.**

### **Increase the availability of your press**

There are many benefits to regular inspections and maintenance in accordance with manufacturer specifications: Unplanned downtimes are avoided, service times are reduced, and the performance and availability of your Rapida are increased.

Using the data saved in the press log files, it can be determined when a defined counter value is exceeded. This information, together with a recommendation for appropriate service measures, is forwarded to you automatically.

In the same way that a full service history boosts the value of a motor vehicle, regular inspections also preserve the long-term value of your printing press.

- **Automatic information on pending service**
- **Preventive measures minimise service times**
- **Increased press availability and longer-term asset value**



## Industrial Analytics – using press data to identify and evaluate potential

The integrated control systems and complex sensors on your Rapida press ensure maximum productivity and exchange a continuous stream of important data via the press network.





**Analysis identifies known error patterns in the press data, allowing corresponding service measures to be triggered.**

If the user wishes, these data can be collected and analysed in order to identify optimisation potential. In addition, patterns in the performance data from your press can be compared against known error patterns. This permits the detection of potential error sources at the earliest possible moment, and thus helps to avoid unplanned downtimes.

### **Avoid stoppages with predictive maintenance**

A growing number of electronic sensors is constantly scanning the stream of data produced by the press to spot error states and, where appropriate, to send this information to a designated service engineer. With your consent to permanent data transmission from your press to Koenig & Bauer, and by applying an ever broader array of data analysis tools, we can help you to increase and secure long-term press performance and availability.

- **Automatic analysis of press data**
- **Identification of potential error sources**
- **Proactive service to maximise availability**

# Training & consulting

### **Training with 100% practice relevance**

A high-performance press alone is no guarantee for success. Only properly trained personnel will achieve optimum results. Our training programmes – at our factory training centre or directly on site – make sure that your operators and technicians are familiar with all details of the available systems, equipment and tools, and are thus in a position to unlock the full performance potential of your press.

### **Our experience for your company**

Koenig & Bauer has gathered decades of expertise in the installation and servicing of sheetfed offset printing presses. The thousands of presses in operation around the world speak for themselves. You, too, can benefit directly from this wealth of know-how.



**On-site and in-house training with experienced specialist instructors**

# Training – the key to your success

Besides innovative press technology, qualified personnel are a basic prerequisite for increased productivity and quality in print.





For this reason, Koenig & Bauer offers you a broad spectrum of training offers, all of which can be tailored to match your individual requirements:

- Press operation and print technology
- Mechanical maintenance and repairs
- Electrical maintenance and repairs
- Special and advanced training

### **Experienced trainers and instructors**

Our training is conducted by a team of competent instructors with many years of practical experience in the fields of mechanical and electrical service, electronics and print technologies. And they are all waiting to share their boundless theoretical and practical knowledge with you.

Training seminars are held either in the spacious and fully equipped rooms of our Radebeul training centre or else directly at your own production location.

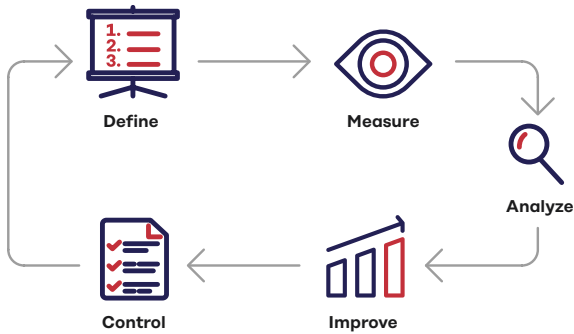
- **Broad spectrum of training offers**
- **Content tailored to your needs**
- **Training can also be organised at your own production location**



## Process optimisation – identifying the potential to improve processes

If there is still latent potential for optimisation and improvement in your production processes, then we can help you to uncover it. The specialists from Koenig & Bauer analyse and assess the individual process steps along your value chain and present their proposals for optimisation.

Experienced Koenig & Bauer service engineers examine the technical condition of your press, speak with management representatives and shop-floor employees, and perform in-process analyses during production. The result is an objective assessment of your press, processes and production environment, including advice on possible measures to improve performance.



The Six Sigma management system is used to identify and utilise potential.

### Standardised system to reveal potential for improvement

Our evaluations are based on the Six Sigma approach to process improvement and follow the so-called “DMAIC” methodology, which describes the steps leading to quality improvement in production processes.

On this basis, the Koenig & Bauer process optimisation team identifies the potential for improvement, assesses the prospects of success, and suggests measures which could be taken.

- Identify and assess potential for improvement
- Report with comprehensive analysis
- Recommendations for optimisation and support during implementation

# Select & more service contracts



### **For long-term partnership**

Through a service contract, Koenig & Bauer undertakes to assume responsibility for a defined scope of tasks ranging from maintenance via remote services to special agreements on spare parts. As your press manufacturer and partner, our prime goal is to safeguard the optimum performance of your press.

### **Customer-tailored service contracts**

We offer you countless possibilities to vary the actual contents of such a contract: Whether you prefer to pick and mix specific maintenance options or simply choose a “carefree package” – our modular concept permits you to tailor a service contract according to your individual needs.

**Select & more  
service  
contracts are  
tailored to  
individual  
needs.**



# Service contracts – defining your own individual package

Benefit from our attractive “Select & more” service contracts, with individual agreements covering aspects such as press maintenance and repairs or supplies of spare and wearing parts.

## **Service options from A to Z**

Choose from our broad spectrum of services to produce a flexible service contract with a term and contents to match your particular needs: From classic maintenance and inspections, via remote maintenance options, to training modules and process optimisation.

## **Attractive discounts from year one**

With a service contract, you automatically save costs. From the very first year, you already enjoy various volume- and term-dependent discounts. The fixed annual fees eliminate surprises and maximise your cost transparency.

- **Attractive discounts from year one**
- **Modular concept for individually tailored contracts**
- **Term and scope of contracts can be chosen freely**

## Koenig &amp; Bauer Select &amp; more service packages

	Select Remote	Select Smart	Select Basic	Select Pro	Select Optimize	Select Individual
Customer Community	●	●	●	●	●	○
PressSupport 24 (remote support)	●		●	●		○
Industrial Analytics	●		●	●		○
Software updates – main console				●		○
Labor				●		○
Labor – hour package		●	●			○
Travel				●		○
Spare parts				●		○
Inspection – press			●	●		○
Inspection – measurement systems			●	●		○
Inspection – printing process					●	○
Calibration – ET measuring head				●	●	○
Print quality test					●	○
Performance Care						○
Training						○

# PressSupport24 – 24/7 service at a flat rate

Enjoy the comprehensive benefits of our PressSupport24 service agreement.

Under our service agreement “Select Remote”, you benefit from attractive flat-rate terms. In other words: No more pay-by-call costs. You simply pay a fixed annual fee for the selected services. That increases cost transparency, simplifies your budget planning, and already pays off from the 7th call within a year.

- In addition, you gain exclusive access to the following services:
- Performance reports, with visual evaluations of your press performance data
- PressCall, your direct link from the press console to the Koenig & Bauer remote maintenance hotline
- Visual Press Support, with innovative video communication via a mobile device to enhance the efficiency of solution finding

- **Flat-rate terms for 24/7 service help to reduce costs and simplify planning**
- **Exclusive services**
- **More efficient solution finding compared to pay-by-call access**







## Software service – future maintenance for press software

A software service contract ensures that the performance capabilities of your press software can be maintained or even improved in the future.

The software of your sheetfed offset press is not a standard off-the-shelf product, and software maintenance should thus be entrusted exclusively to experts. For our part, we have assigned this responsibility to the actual software developers.

### **Cost benefits for updates and upgrades**

Within the framework of this carefree package, you receive updated software versions (“updates”) free of charge. In addition, you are able to purchase software versions which add new features (“upgrades”) at a reduced cost – in each case including all relevant documentation.

We inform you in writing whenever patches are made available to introduce a new software version or to rectify errors in a current version. After consultation with you, our remote maintenance specialists can then initiate the following processes:

- Software update, including documentation (free of charge)
- Software upgrade, including documentation (reduced cost)

- **Safeguard the performance of your press software**
- **Cost benefits for updates and upgrades**
- **Software for press control and individual modules is always up-to-date**

## Notes





## Notes

Printed with Koenig & Bauer technology  
on an eight-colour Rapida 106 LED-UV  
sheetfed offset press

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