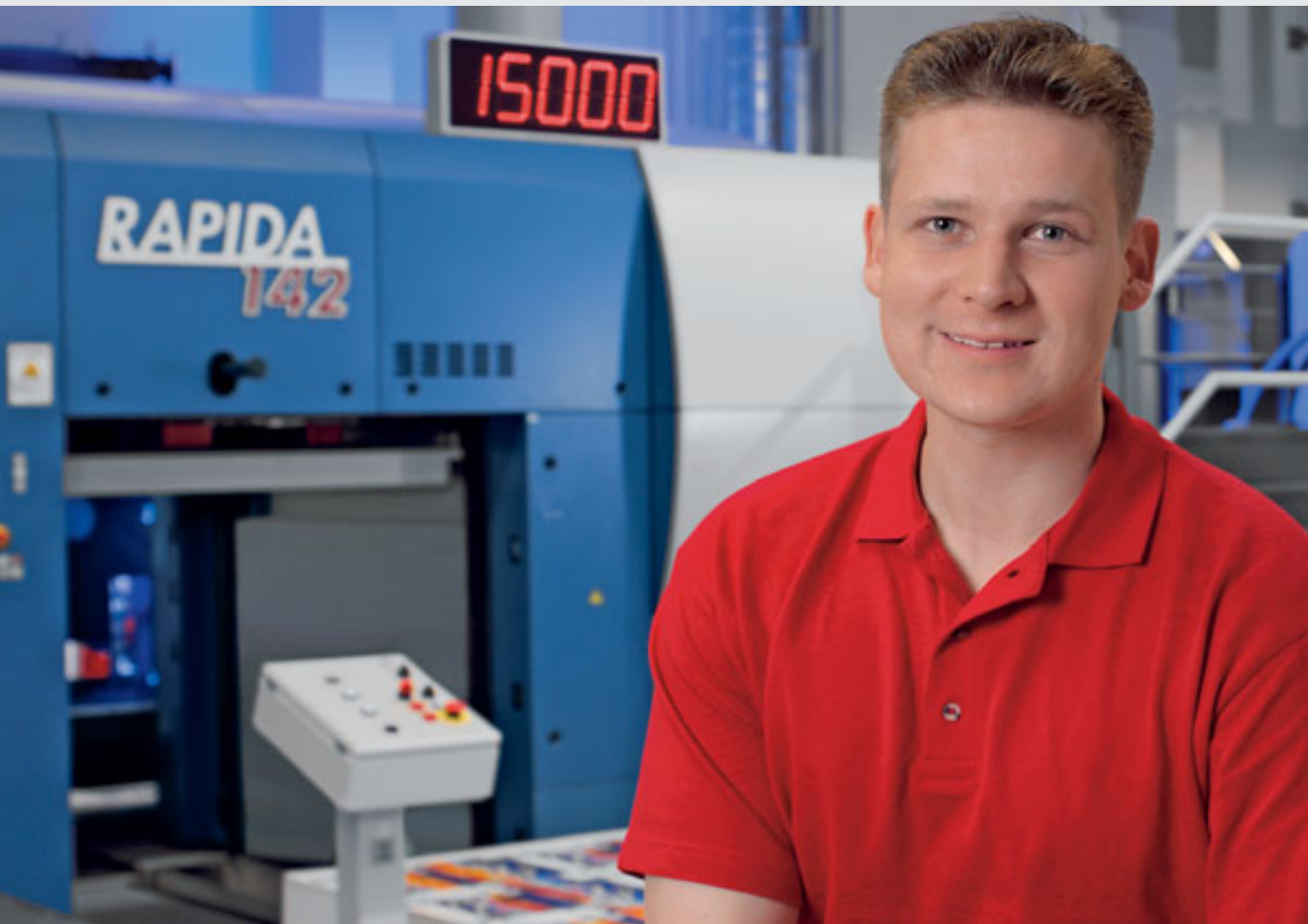




KBA RAPIDA 130 - 162a

Leadership backed by tradition



Large format with experience

Innovative & Successful



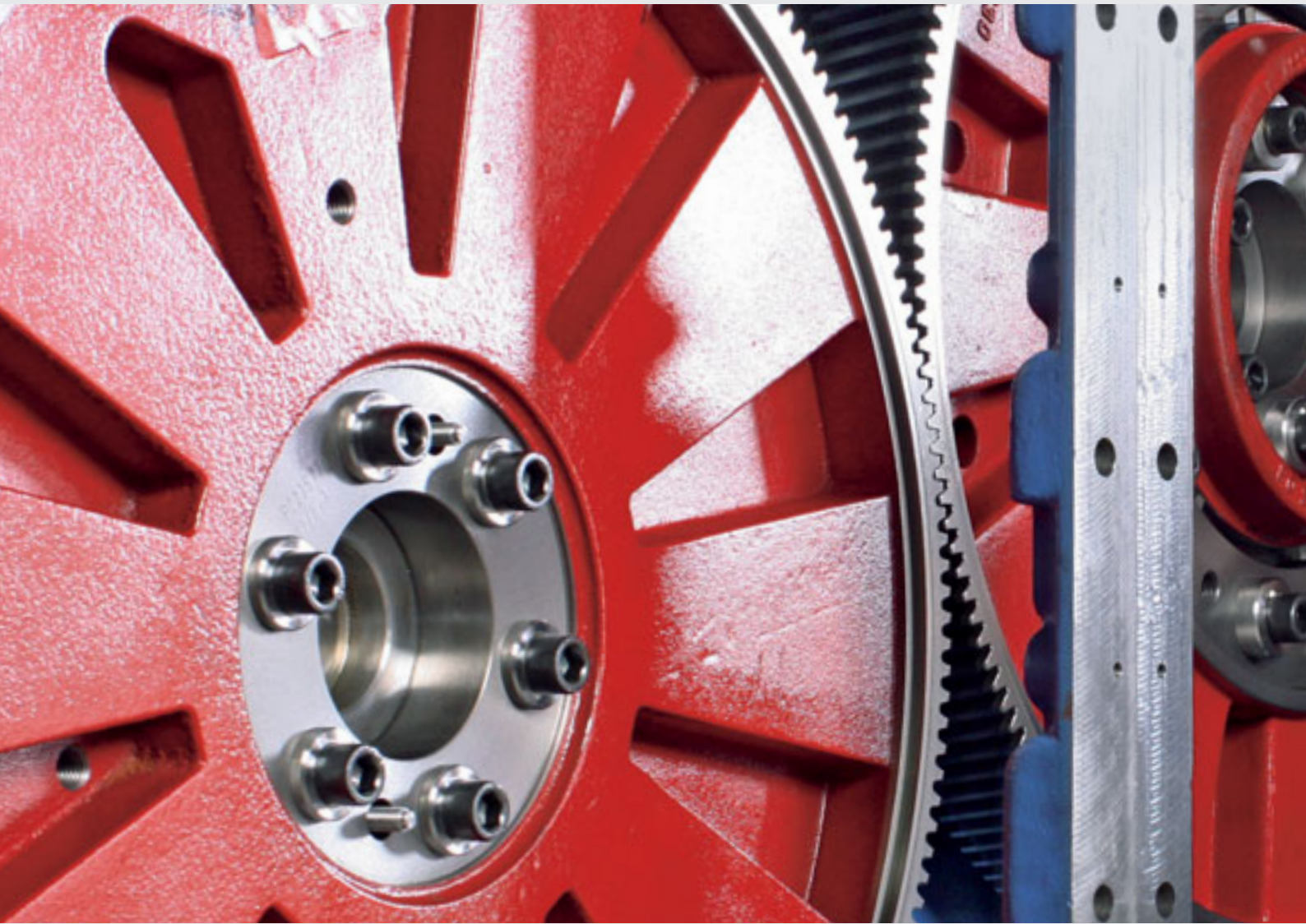
It would be rather presumptuous to claim that we are the greatest. But we are certainly the oldest. After all, we have been manufacturing large-format sheetfed presses for over 80 years. Initially still for letterpress, but then specialising in offset, once planographic techniques came to the fore. Generations of users have inspired us to continue our developments for large-format print. However strongly the wind blew in our faces at times. The market has proved that we were always on the right track, because large formats are today more firmly established than ever before. The annual growth rates speak for themselves.

Innovation paired with unbeatable performance – what more need be said to characterise the latest generation of Rapida large-format presses? And that for five format classes covering sheet sizes up to 120 x 162 cm. They are not only big, they are also really fast. Printing speeds of 15,000 sheets/hr have been standard for most models for a number of years.

The KBA Rapida 130-162a presses also lead the field when it comes to automation. We leave no stone unturned to promise you efficient makeready and ultimate print quality: From changing of the enormous plates to inline quality control and pile logistics. Fast job changeovers become child's play, and you can concentrate on satisfying your customers' most individual wishes.

You still require a few centimetres more? With the Rapida 185 and Rapida 205, KBA manufactures the largest sheetfed offset presses in the world today. And so you see, there is no need to place restrictions on your sheet format plans.

When all comes to all, it is your flexibility which counts.



Polished detail
Superior & Sophisticated



You don't become large format market leader overnight. Mechanical engineering at the highest level is our foundation. The continuous gear train of the KBA Rapida 130-162a presses is not just a treat for the eye, it also provides dependable drive for even the longest press configurations. We have no need for complicated differentials or longitudinal shafts.

At the feeder, however, you will search in vain for mechanical drive elements of any kind. Four dedicated drive motors with electronic control take care of all the necessary motions, whether press-synchronous transport of the sheets or continuous, jerk-free lifting of the pile. Substrate-related feeder stoppages are reduced dramatically. And you gain back valuable time.

That a Rapida press possesses double-size impression cylinders and transfer drums is today basic printer knowledge. We have been manufacturing our presses according to this principle since 1965. Similarly proven over decades of practical use are the gripper systems, which adapt themselves automatically to every conceivable substrate thickness. Whether lightweight paper or heavy board – there are no settings for you to make. Neither manually nor at the control console.

All these elements have one thing in common: They are manufactured with absolute precision to ensure perfect print results. Our manufacturing tolerances are comparable to those of a hand-made luxury timepiece. That is the only way to ensure the legendary dot-sharp reproduction which is simply expected today.

Our experience serving your success – because you are the ones who matter.



Stable quality over long runs? Repeat jobs? Documentation of print quality for your customers? With the measuring and control systems of the Rapida large-format presses, you know you are on the safe side. From simple density measurement to dynamic colour control – the full spectrum of modern measuring technologies is placed at your fingertips. And you can still decide yourself, whether to accept the results automatically or to adjust your settings manually.

We are pleased to configure your KBA Rapida 130-162a with precisely the equipment you need to handle your individual job structure. With KBA DensiTronic PDF, for example. This scans the printed sheet and compares it to a PDF file. You can spot even the slightest errors in texts or images without looking. Register setting could hardly be simpler than with the ACR Control video camera. And KBA QualiTronic is an unerring master of continuous inline inspection. Sheet for sheet – at full production speed. Also with register control, if you wish.

Measuring and control systems may cost a little more at first, but they actually help to relieve your operating budget. Through the reductions in waste alone, an inline sheet inspection or colour control system pays back its investment within two years at the latest. Even in small print companies. With an automatic register system, it is usually possible to forego an additional pull – saving you an average 100 sheets with every job.

Inline quality control delivers tangible economic benefits – and is good for the environment, too.



Print quality on principle

Consistent & Precise



Are there products which can be printed in medium format, but not in large format? Very few. In fact, it is often worthwhile combining short runs as a single large-format forme. Many print companies are doing just that day after day. With great success. With Rapida large-format presses from KBA.

There is practically nothing which is impossible with these presses, for which maximum flexibility is a trademark. They are available in a simple four-colour version, but you could equally configure a press line with up to twelve units. And that for a sheet format up to 120 x 162 cm. It goes without saying that inline finishing options can be added to suit your specific needs. For example a coating tower based on the proven anilox technology. High-quality brochures and business reports are lent that perfect shine. With effects which will capture the emotions of your customers. Give your creativity free rein.

On the KBA Rapida 130-162a presses, manual makeready is a thing of the past. With consistent console operation and automatic presetting of the most

varied components, they justifiably stand on a par with the ultra-modern medium-format Rapidas. Just one example: Plate changing – fully automatic, if you so wish. In other words, push-button plate changes in a matter of minutes, irrespective of the length of the press. With ACR Control, register corrections are performed before you know it, and the press is back in production with a minimum of delay. You have more printing towers than you need for some jobs? Then simply disengage the inking units from the press drive, with a mouse-click at the console. And forget the time you used to spend applying roller oil and washing down the unit.

With the large-format Rapidas, you will also make a big impression in the commercial arena.



Fit for commercial print

Variable & Convenient



Unique in book production
Economical & Uncompromising



You like books? We, too. And that is why we have engineered special large-format Rapidas geared to efficient book production. What do they offer which is not to be found elsewhere? The key is the perfecting unit. Even after decades of successful use, it remains a subject of our further improvement. And is thus constantly abreast of the latest technological advances. The mode conversion is started at the press of a button on the console. And barely a minute later, the whole process is complete – fully automatically.

If you print mainly books, then we can especially recommend 4-over-4 large-format perfecting. Depending on the format, up to 64 pages can be printed on a single pass. The KBA Rapida 162a is a real sensation in this respect. And to help push things further, we have added another 5 cm print length for the eight- and ten-colour perfectors.

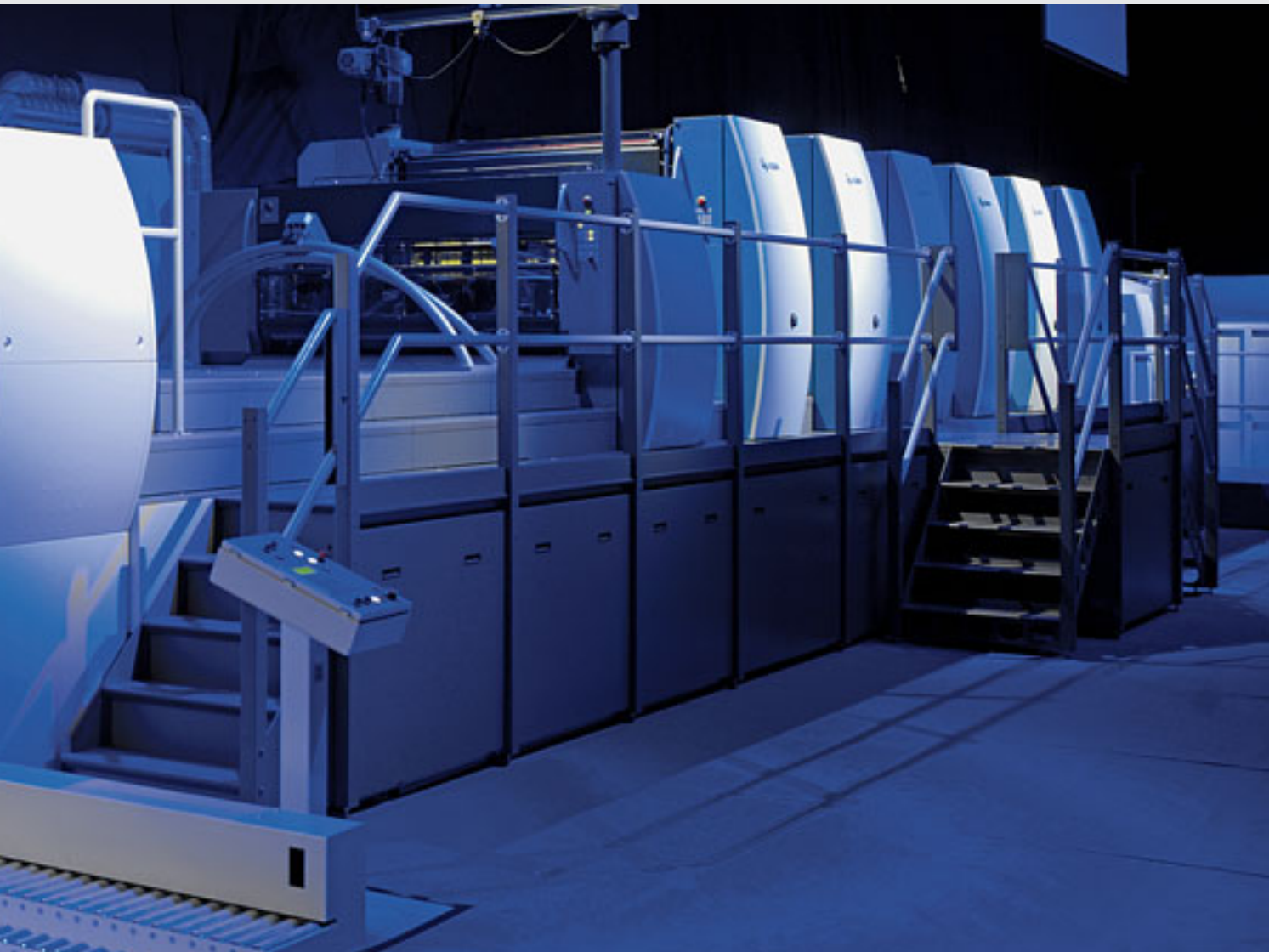
At the same time, you can arrange the sheet layout with fewer print-free corridors than in the past. The special commercial delivery makes it possible. And serves to boost your productivity: With console-controlled positioning of the suction rings and guide elements, turbulence-free air above the pile and modern solutions for precise powder metering.

If you work with a relatively small range of papers, then the optional reel sheeter could be a big money-saver. Less expensive rolls of paper are simply cut into sheets immediately ahead of the feeder. Fast and efficient.

But however you supply the paper: Our large-format 4-over-4 perfectors have an enormous appetite!



Packaging
is our speciality
Versatile & Convincing



The Rapidas are the world's undisputed leaders in large-format packaging printing. Why is that so? We possess the necessary experience – and have done for years. Packaging was until recently still put down as a niche market by some, but it is today rightly a synonym for pinnacles of achievement in terms of quality and technology. You are ready to take up the challenges? Then we are ready to support you. With our KBA Rapida 130-162a presses, you are ideally equipped.

It is hardly necessary to mention the enormous substrate flexibility resulting from our double-size impression cylinders and transfer drums. That is common knowledge. But what else do we have to offer? Plinths to raise the press, for example. The large-format Rapida is able to grow by up to 630 mm. And you can simply sail through the correspondingly higher piles.

That is still not all. Non-stop systems at both feeder and delivery permit smooth pile changes at full production speed – without any manual invention, if you choose. The KBA Rapida 130-162a presses thus integrate seamlessly into your company's fully automatic pile logistics set-up. Whether with or without pallets.

You need a clearer overview? RFID-based pile identification is now reality. And you know both where your materials are, and how far your production has progressed. Also interesting: If you use KBA QualiTronic for inline sheet inspection, an ingenious technology marks the defective sheets, enabling them to be diverted out of the production process fully automatically at the downstream stages.

Fascinating solutions creating an exciting package – in every sense of the word.



Exquisite for a luxury pen, sensuous for a seductive perfume, robust for power tools, food-safe for breakfast cereals. Packaging serves not only to protect the product, it must also encourage the consumer to buy. The designers pull out all the stops. And that means some real challenges for the print industry.

Whether in commercial printing or packaging, the print process would today be unthinkable without inline finishing. KBA has always been found at the forefront of developments – with convincing technologies and innovative

process solutions. Gloss and matt effects, all-over and spot finishes, single and multiple coating applications with dispersion and/or UV varnishes – there is almost no limit to the possibilities. Some of the finishing technologies were even developed by KBA itself – enabling you to offer your customers uniquely eye-catching printed products.

For the large-format Rapidas, too, our coating concept is based on the proven combination of anilox roller and chamber blade. With the same perfect results as on sheets half the size.

Despite the larger dimensions, handling is amazingly simple. Coating forme and anilox roller changes are conveniently automated. At the same time, the sophisticated coating supply and cleaning system ensures that no time is wasted when switching between different coatings. With no need for extra manual cleaning. Even for a switch between dispersion and UV coating.

Discover the full creative diversity of refined finishing!



Noble, noble...
Eye-catching & Adaptable



No need for stress
Fast & Simple



A bigger press does not necessarily mean that work becomes more strenuous. You don't believe us? Then simply try it for yourself – and put the large-format Rapidas to the test.

Take plate changing, for example: You can determine the degree of automation yourself. We can offer you a system where the plate must only be placed onto the register pins by hand. All the further process steps are started from the control panel of the unit concerned. You want more? With the fully automatic version, the whole change is controlled from the console. You only have to bring the plates to the press, where the cassettes can already be loaded up while the previous job is still running. The rest looks after itself. Irrespective of the individual press configuration, a plate change on

the KBA Rapida 130-162a is completed within four minutes. Every time!

No-one really enjoys cleaning. But there is no need to worry here – thanks to a multi-function washing system which puts everything you have seen before in the shade. Depending on the position of the washing beam, it washes either the plates, the blankets or the impression cylinders. Can you get more efficient than that? With the pre-impregnated cloth of the Impact washing system, blanket and roller washing can even run simultaneously. The most appropriate washing programme for the job in hand is selected and started from the console. Where else?

You see, at our ErgoTronic control console, you can look forward to a

stress-free working day. It is your convenient central operating point, with functions and features to ease all the chores of daily printing practice.

Imperative, especially in large formats: Convincing solutions for simple handling.



Digital networking

Boundless & Direct



The world is going digital, but print remains conventional.

Wrong! In print production, too, the advance of digital processes is unstoppable. Without JDF networking, the automatic presetting functions of the large-format Rapida presses would be unthinkable. And without the production management system LogoTronic professional, there would be no consistent printshop workflow. A cloudy dream just a few years ago, but today reality – transparency from order receipt right through to dispatch.

You would like a more detailed view of your production processes? Smooth the task of job scheduling and optimisation with KBA LogoTronic. One mouse-click and PressWatch informs you on the status of the current production, while SpeedWatch documents all process-relevant events from the KBA Rapida 130-162a. With this duo, you definitely have everything under control. Post-production accounting practically takes care of itself.

On top of that, with the facility for Internet-based remote maintenance, we are always on hand should you need our assistance. In personal dialogue with our specialists, you can clear up your questions, obtain advice on specific operating procedures and

settings, and even receive the latest software updates. That not only saves you time and money, it also spares your nerves.

Worldwide communication and large formats – Rapida presses show how it is done.



We all love nature and the environment. Contributions to safeguard the ecological balance are thus a matter dear to our heart. What exactly does that entail for us? The first Rapida presses were already awarded the eco-certificate "Emission-tested" in 2000. KBA had once again assumed the pioneering role – as the first press manufacturer to subject its products to intensive testing in this respect.

The certificate confirms compliance with a variety of branch-specific emission thresholds. The defined limits correspond at least to those laid down in international standards, but are in some categories considerably stricter. The eco-certificate is thus recognised as binding also outside Germany. All the various Rapidas have been tested, the large-format presses included: For printing with conventional, hybrid and UV inks, for dispersion and UV coatings, and for paper and board.

Our responsibility for ecological printing begins already with the reduction of emissions during manufacturing of the presses. If you visit our factory, you will see this for yourself!

Would you also like to do something for the environment? Through careful management of hazardous substances, and by choosing ecologically compatible process media, you can make an equally valuable contribution to resource protection and a sustainable environment. Climate-neutral printing is not only an investment in our common future, it also represents added value for the customers buying your products.

Business objectives and ecological ideals – you can now choose both!



Printing goes green

Ecological & Sustainable



Technical highlights

Clear & Concise



	Rapida 130	Rapida 130a	Rapida 142	Rapida 162	Rapida 162a	
Formats:						
Max. paper format	910 x 1300	965 x 1300	1020 x 1420	1120 x 1620	1200 x 1620	mm
Min. paper format	500 x 600	500 x 600	600 x 720	600 x 920	600 x 920	mm
Max. print format						
standard	900 x 1300	955 x 1300	1010 x 1420	1110 x 1620	1190 x 1620	mm
perfecting	885 x 1300	940 x 1300	995 x 1420	1095 x 1620	1170 x 1620 ¹⁾	mm
Gripper margin	10+/-1	10+/-1	10+/-1	10+/-1	10+/-1	mm
Max. production speed²⁾:						
Press up to 7 printing units	15,000	15,000	15,000	14,000	13,000	sheets/hr
Perfector press in straight mode	12,000	12,000	12,000	11,000	11,000	sheets/hr
Perfector press in perfecting mode	10,000	10,000	10,000	9,000	9,000	sheets/hr
Substrates³⁾:						
Standard	0.06 – 0.7					mm
with lightweight equipment	from 0.04					mm
with board-handling equipment	up to 1.2					mm
with corrugated equipment	up to 1.6					mm
Pile height⁴⁾:						
Feeder without/with non-stop	1500 / 1200					mm
Delivery without/with non-stop	1500 / 1400					mm
Commercial delivery Rapida 142-8SW4 or -10SW5	1200 / 1100					mm
Plate and blanket dimensions:						
Plate size	1035 x 1310	1095 x 1310	1145 x 1430	1245 x 1630	1260 x 1630	mm
Copy line (straight/perfecting)	72 / 77	72 / 77	72 / 77	72 / 77	43 / 48	mm
Blanket size	1275 x 1340	1275 x 1340	1275 x 1460	1315 x 1660	1355 x 1660	mm

1) Rapida 162a-8SW4 or -10SW5, otherwise as Rapida 162

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

3) Printability is also influenced decisively by the flexural rigidity of the substrate

4) From floor, without non-stop operation



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