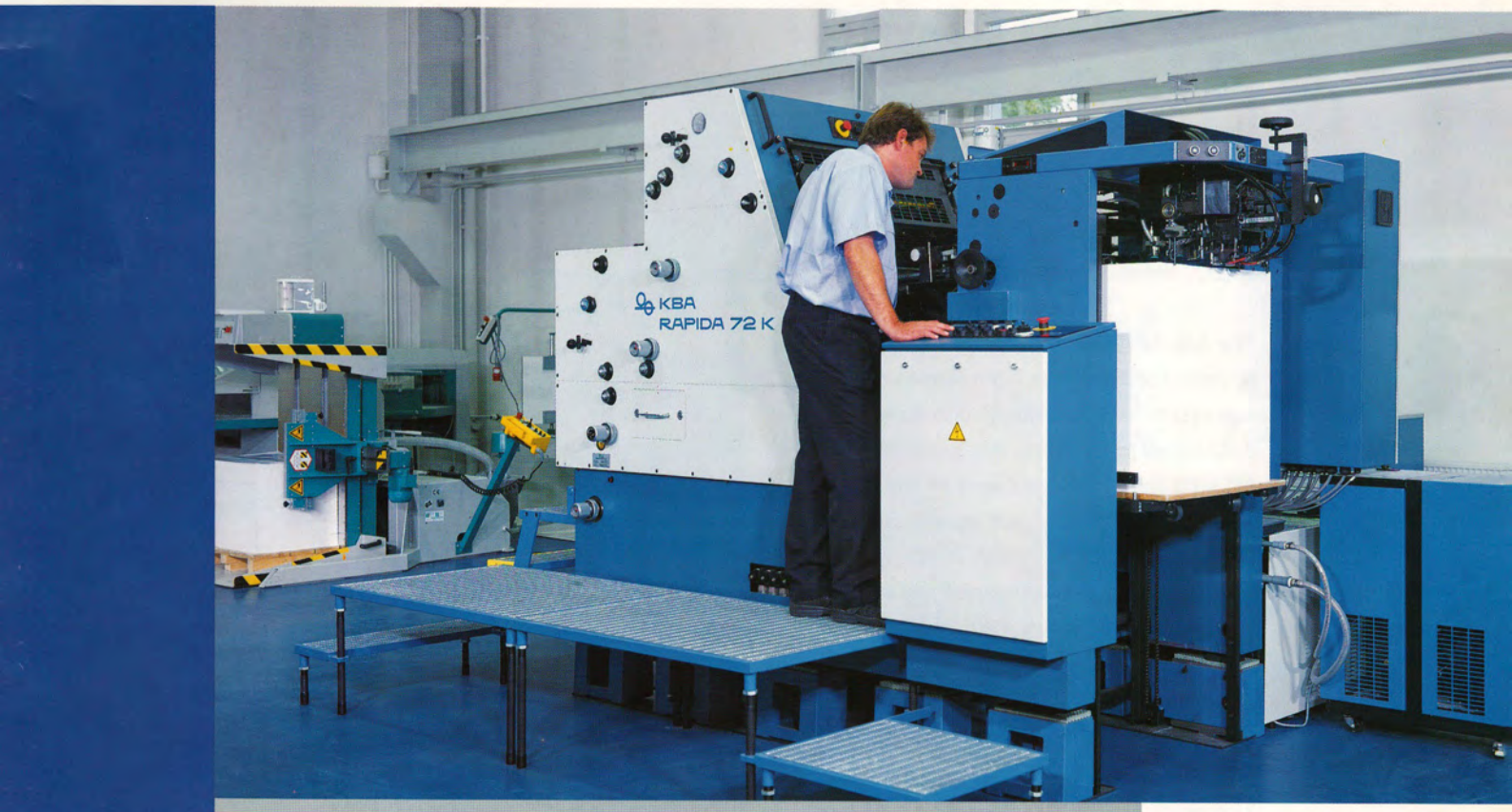
KBA

Koenig & Bauer AG
Planeta-Bogenoffset

KBA RAPIDA 72K



The compact and flexible sheetfed offset world champion in format 52 x 72 cm

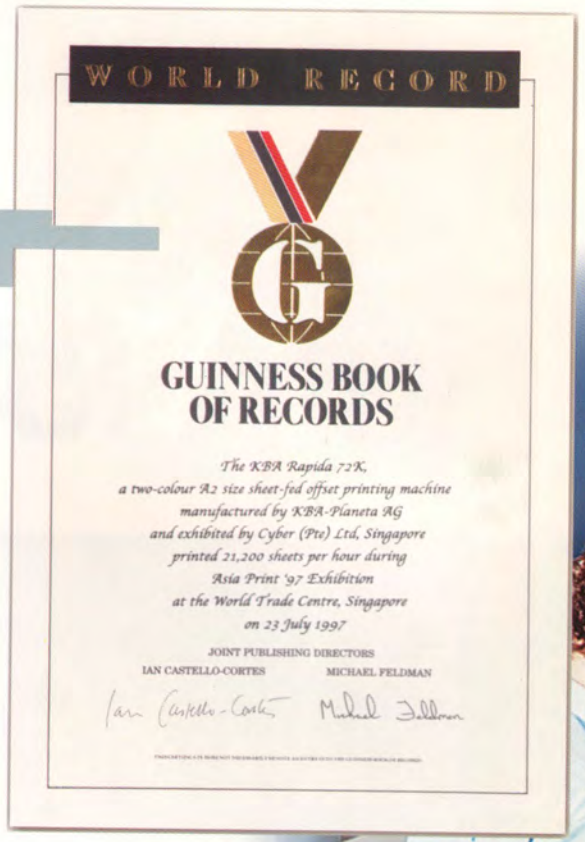
Looking for a world champion?

The world champion for the printshop can be found at KBA. Compact, user-friendly and unbeatably fast. The KBA Rapida 72K.

The world record in the field of print performance was already confirmed officially by the Guinness Book of Records in 1997. In that year the Rapida 72K was clocked at 21,200 sheets per hour in Singapore.

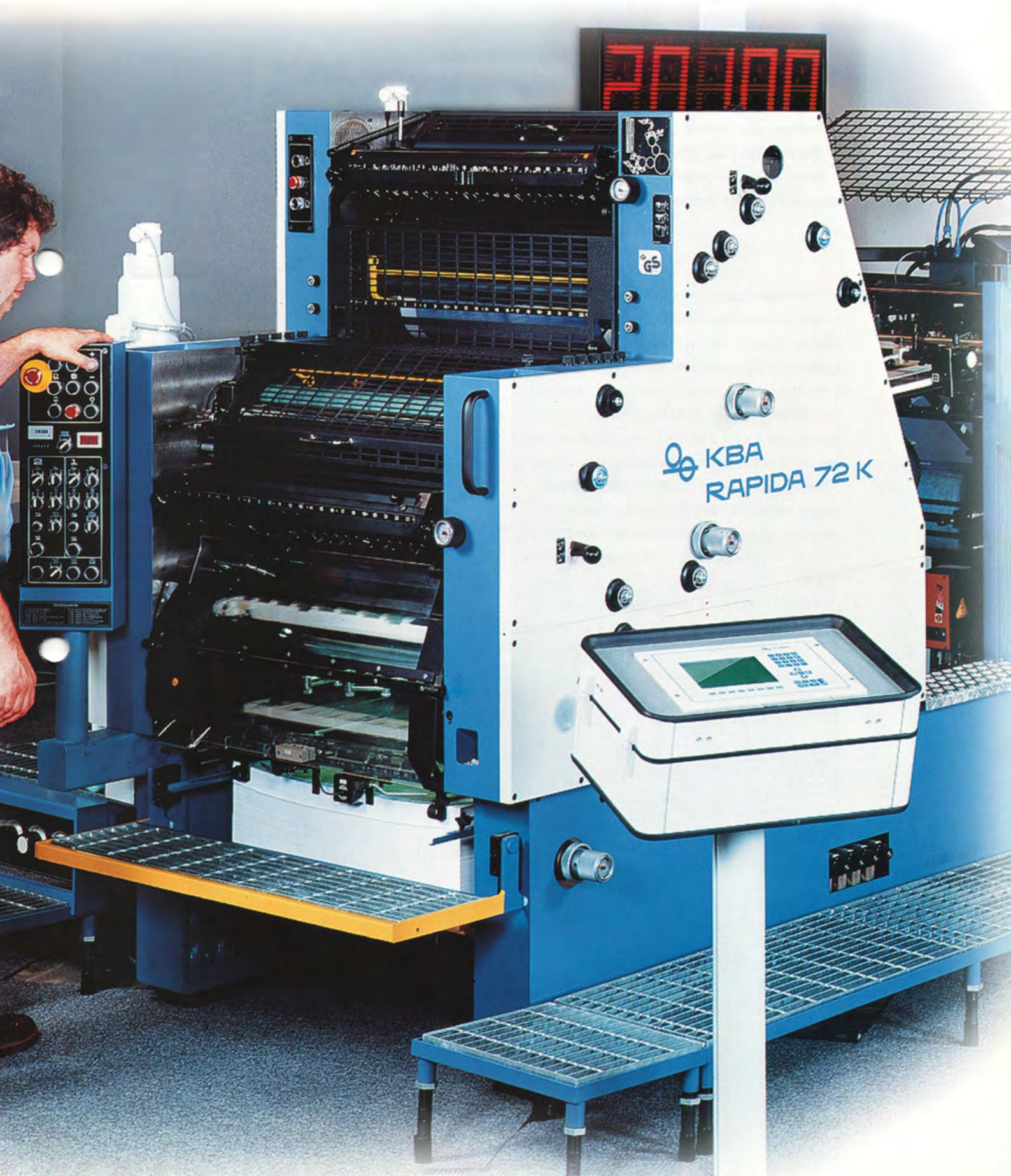
The Rapida 72K, the smallest press in the sheetfed offset range from Koenig & Bauer, represents an efficient solution for young businesses just moving into printing in format 50 x 70 cm. The advantages of the KBA Rapida 72K, however, are equally appreciated by major printers for whom flexibility is the decisive factor in the organisation of their day-to-day production. With its unrivalled productivity, after all, this compact two-colour press reliably eases deadline pressures in short and medium runs.

Thanks to its space-saving design (with a footprint of just 7 m^2), good accessibility and fast makeready times, the Rapida 72K repays its investment in next to no time. And on top of that, it is also simple to operate for less experienced printers. With so many advantages this is one world champion which is easy to afford.



The Rapida 72K has already held the world record in sheetfed offset printing for many years

Highest Productivity



Enormous

Optimum sheet travel

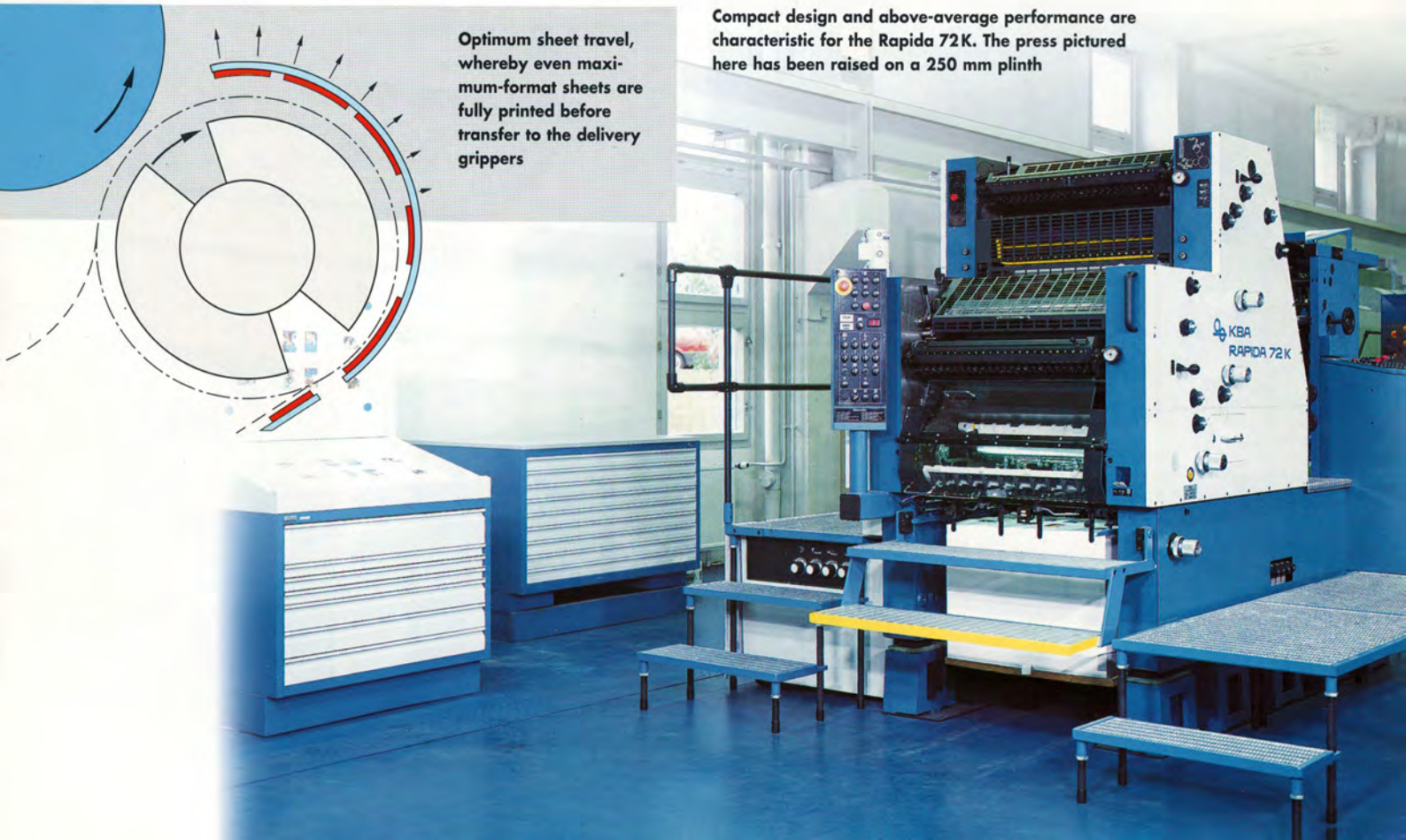
Whether you intend to process lightweight materials, recycling papers or cardboard – the Rapida 72K achieves above-average outputs for the whole range of substrates. This is all down to the countless proven design features, which have been found at the forefront of developments in the industry for many years.

A high-performance feeder developed in-house at KBA separates the sheets and passes them to the suction-belt feed table. Independently controlled suction chambers permit fine adjustment of the air volume to the different phases of sheet transport across the feed table. Following alignment at the front and side lays, the sheet is accelerated to press speed by four suction drums and is fed directly to the impression cylinder, without intermediate transfers.

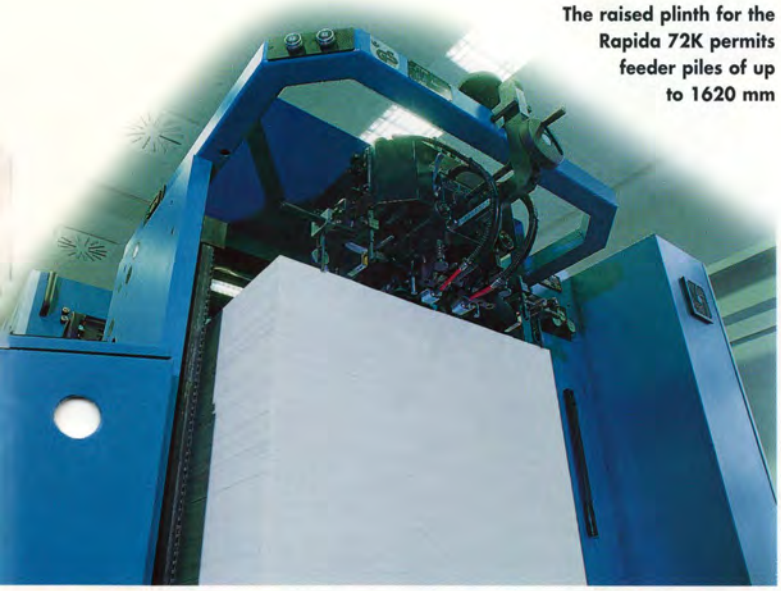
The double-size impression cylinder (diameter 360 mm) and the similarly dimensioned sprocket shaft (sheet delivery drum) guarantee optimum sheet travel even with thicker and stiffer materials. The geometrical arrangement of the cylinders enables every sheet to be fully printed before transfer to the delivery. And that right up to maximum sheet format.

Optimum sheet travel, whereby even maximum-format sheets are fully printed before transfer to the delivery grippers

Compact design and above-average performance are characteristic for the Rapida 72K. The press pictured here has been raised on a 250 mm plinth

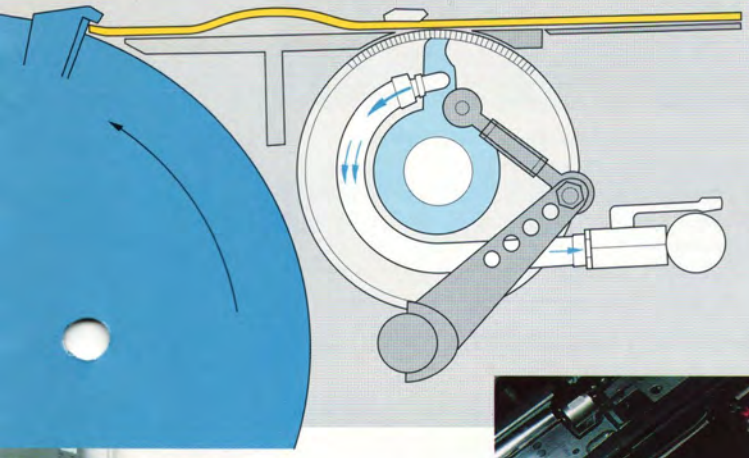


Flexibility



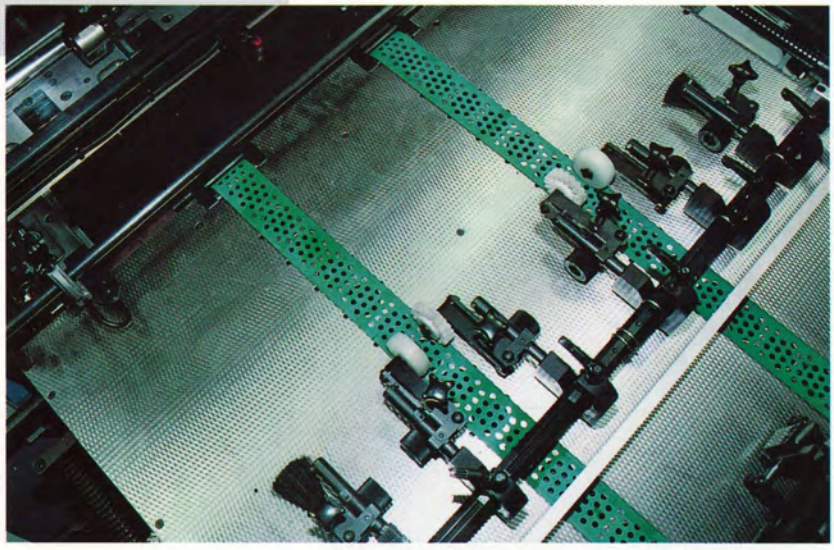
The raised plinth for the Rapida 72K permits feeder piles of up to 1620 mm

Patented suction-drum infeed



At approx. 2.8 m/s, the sheet transport speed on the Rapida 72K is even at 18,000 sheets per hour no faster than that of a medium-format sheetfed offset press running at around 11,000 sheets per hour. The high output is the result not of a higher delivery speed, but simply of shorter intervals between the individual sheets.

If required, the Rapida 72K can also be raised on a 250 mm plinth. In this way the maximum pile height can be increased to 1620 mm at the feeder and to 820 mm at the delivery, which makes the press especially attractive for the printing of longer runs or packaging.



Suction-belt feed table with separately controlled suction chambers

Simple Handling

High print quality

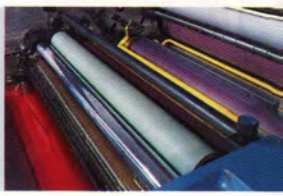
The inking unit and the fast reactions of the dampening unit form the basis for consistently high print quality. The controls on the Rapida 72K are arranged both clearly and ergonomically.

The clear layout of the delivery control panel: all press functions and both inking units are within easy reach for the operator

Central control panels at the delivery, which keep all the most important operating elements within easy reach, have won the hearts of printers all over the world. Plate-changing and the settings of the two inking units are also controlled from this same central position.

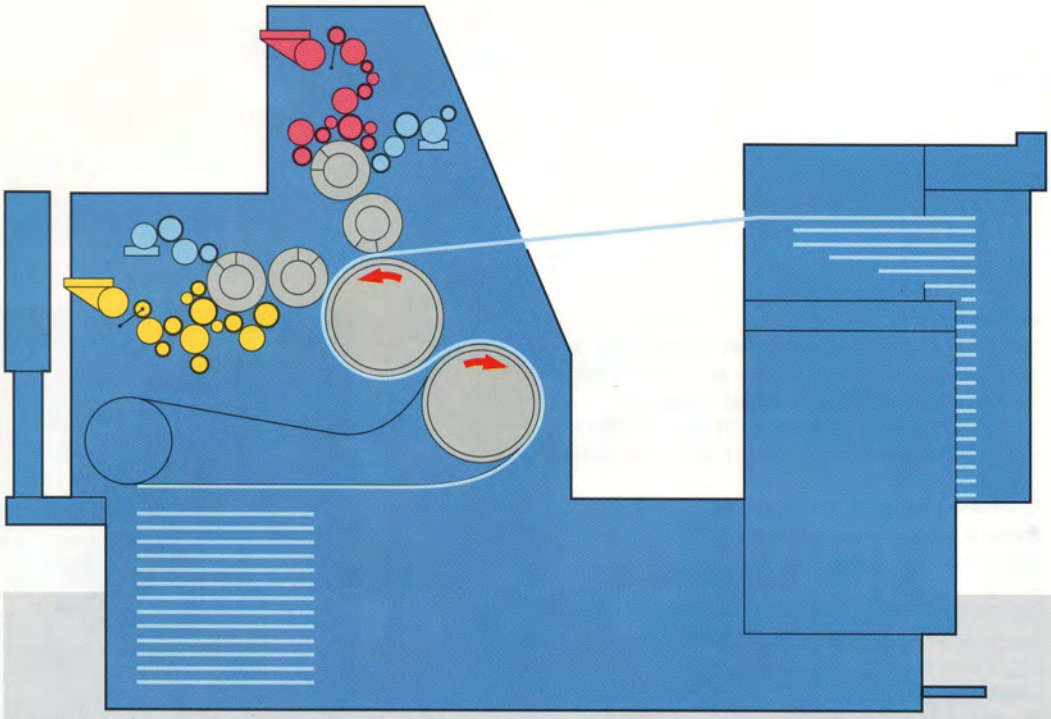
The four ink forme rollers all have different diameters. Together with the single-train ink supply this adds up to fast reaction times and a significant reduction of ghosting effects. The open design of the inking units avoids build-ups of heat - and the operator needs to make fewer corrections to the ink settings during longer production runs. The rollers are lowered and raised hydraulically, together with the impression on/off.

The Rapida 72K is equipped with easily accessible film-type dampening units. The dampening solution cooling system and alcohol level monitoring are included in the scope of delivery - you are thus ready to print as soon as the press is installed.



Short distances make for exceptional ease of operation

The Data



A five-cylinder system and inking units with a single ink train to the front forme rollers are the principal features of the Rapida 72K

Formats	
Max. paper format	520 x 720 mm
Min. paper format	210 x 297 mm
Max. print area	500 x 700 mm
Gripper margin	10 mm

Output	
Max. printing speed	18,000 sheets/hr*
Production output	17,000 sheets/hr*

Substrates	
Standard	from 40 g/m² to approx. 0.3 mm
With special board equipment	from 300 g/m² to approx. 0.5 mm

Pile heights	
Feeder (standard/special version)	1370 mm/1620 mm
Delivery (standard/special version)	570 mm/820 mm

Plate / blanket dimensions	
Plate size	557 x 720 mm
Plate thickness	max. 0.5 mm
Blanket size	585 x 735 mm
Blanket thickness	1.9 mm
Plate cylinder undercut	0.5 mm
Blanket cylinder undercut	3.2 mm

Dimensions and weight	
Length	3045 mm
Width	2685 mm
Height	2000 mm
Total weight	5400 kg
Total connected load	32 kVA
Average power consumption	24 kVA

* dependent on the printing materials used and other local processing parameters

KBA

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