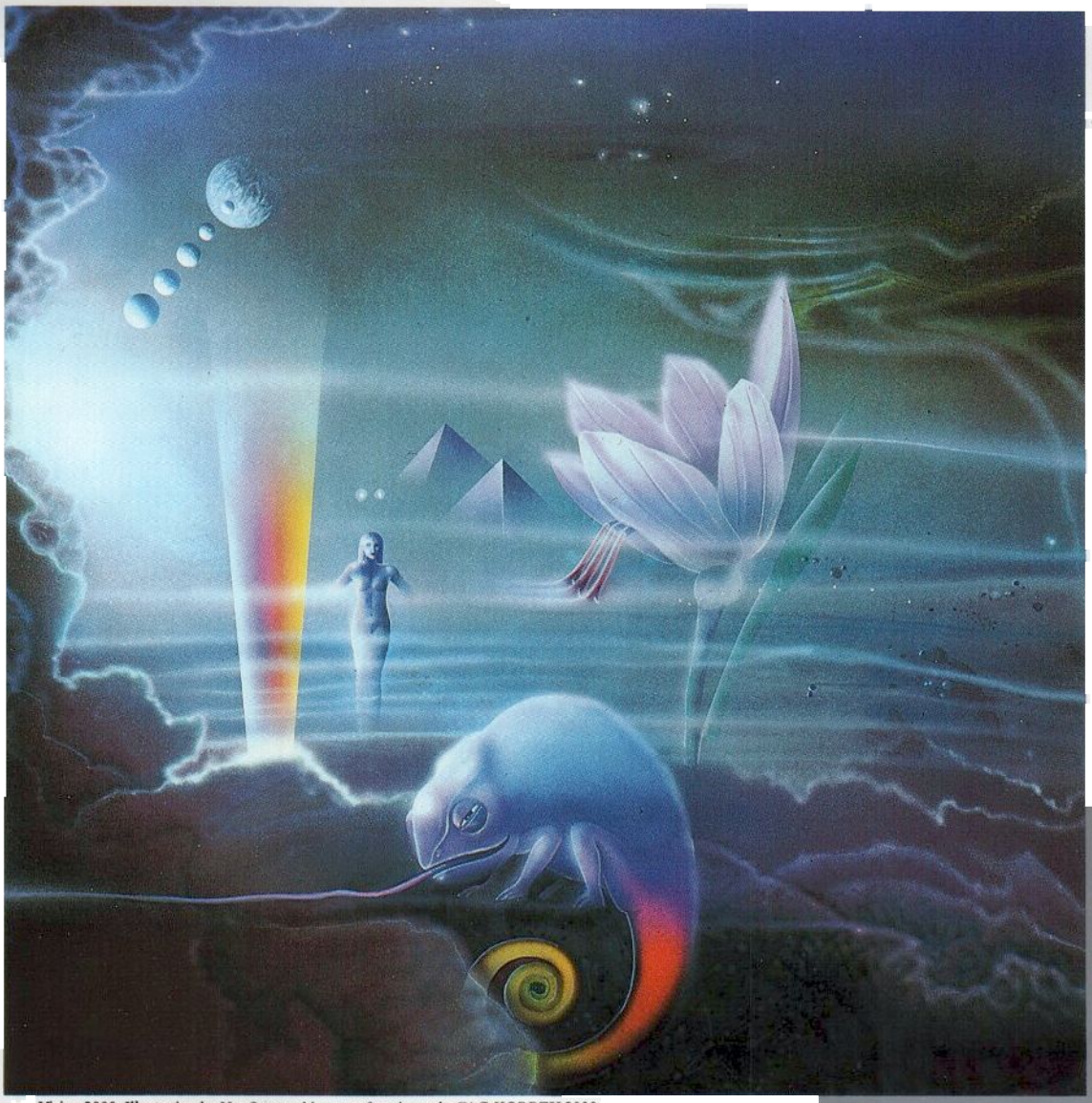


Vision 2000. Illustration by Ute Osterwalder, proof made on the FAG-KORREX 2000

Information on the best proof press ever constructed in Germany.

10 good reasons for deciding on the FAG KORREX 2000

Your successful future begins with greatly increased performance for proofing with high consistency, according to recommended quality standards. Register is perfect, inking is regular and proofing times are short considering the ideal printing size of 72 x 104 cm.

1 Stable, absolutely distortion-free construction. The machine bed is one heavy piece of cast iron and the machine base, a welded construction, includes strong crosspieces.

2 The printing cylinder is precision mounted in massive sidewalls with special bearings preventing all distortion.

3 Generously dimensioned, newly developed inking unit with four-fold oscillating ink distribution in the travelling and in the stationary inking unit, one-way and double inking.

4 The printing cylinder rotates in the stationary position of the cylinder carriage. At the same time, the automatic wash-up device cleans the inking system.

The travelling dampening unit carries minimum amount of dampening for brilliant proofs. The

ampening.

6 Wash-up solution flows in a closed tray, giving good protection to the printer from vapours. An additional suction pipe is provided for connection to an automatic extraction device, which is optional.

7 Light-weight inking rollers with aluminium cores can be changed very quickly.

8 Use of modern electronics for controlling the printing process: Microprocessor control enables to replace almost all electrical limit switches and mechanical switching elements. A frequency regulator ensures smooth running of the cylinder carriage.

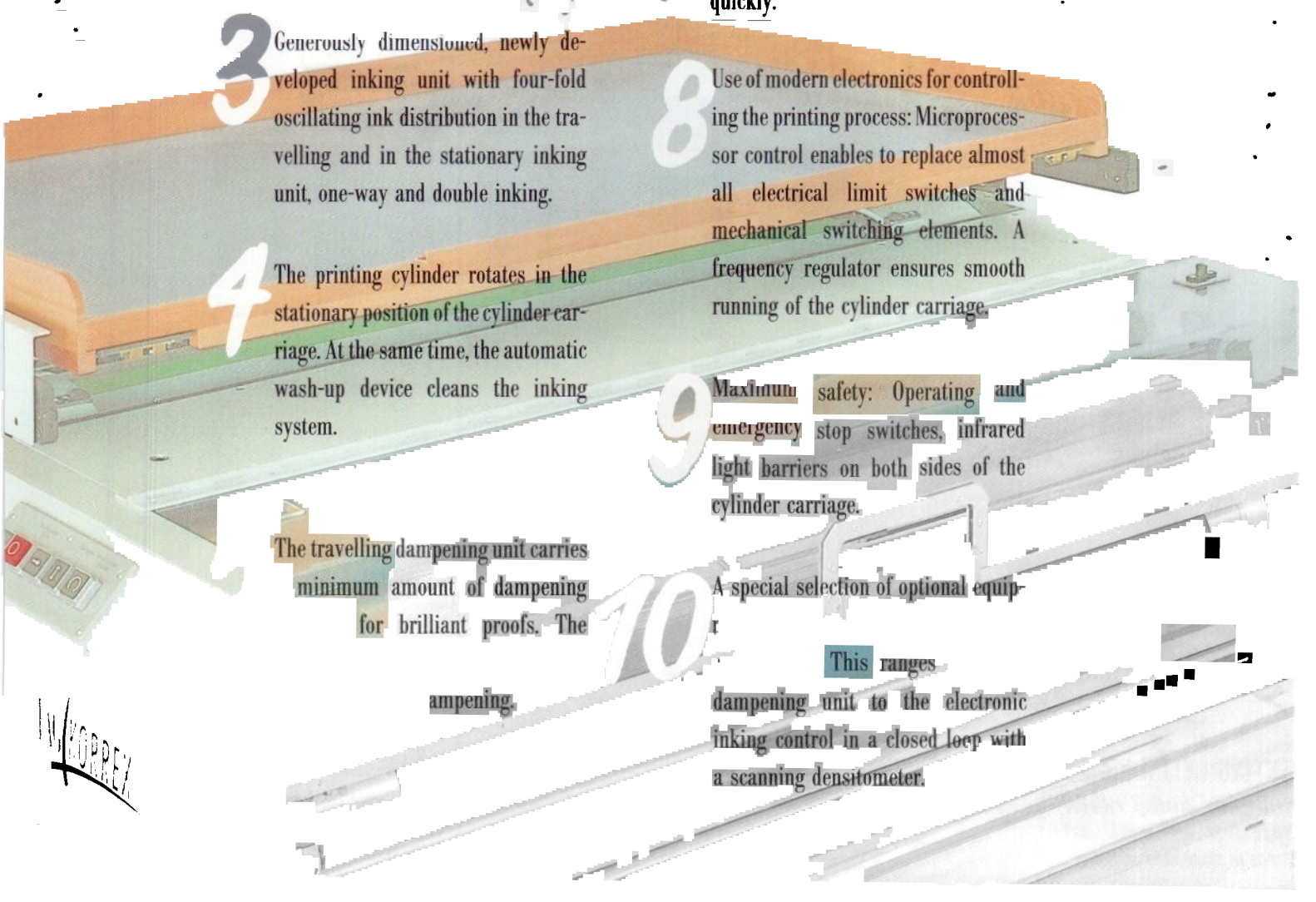
9 Maximum safety: Operating and emergency stop switches, infrared light barriers on both sides of the cylinder carriage.

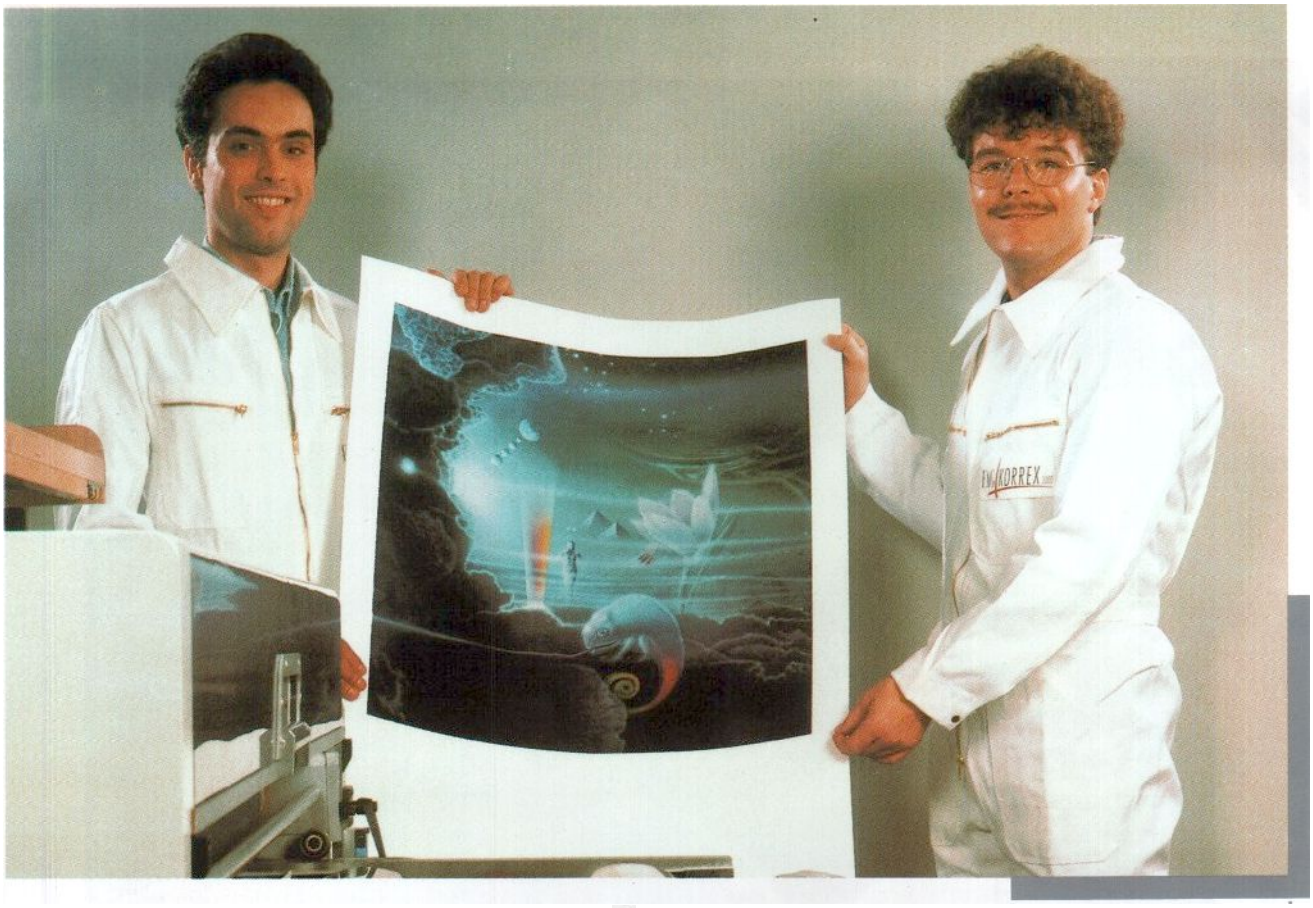
10 A special selection of optional equip-

r

This ranges

dampening unit to the electronic inking control in a closed loop with a scanning densitometer.





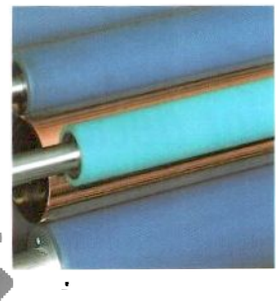
We've combined our resources to offer you the future.

An offset proof press is only as good as the ideas and experience behind it, not least the experience gained in repro houses, in proofing studios and printing works.

You expect optimal cost effectiveness, precision and convenience from your dream machine. So wouldn't it be ideal if all the advantages that the leading European manufacturers can offer you were to be combined in one top-class machine.

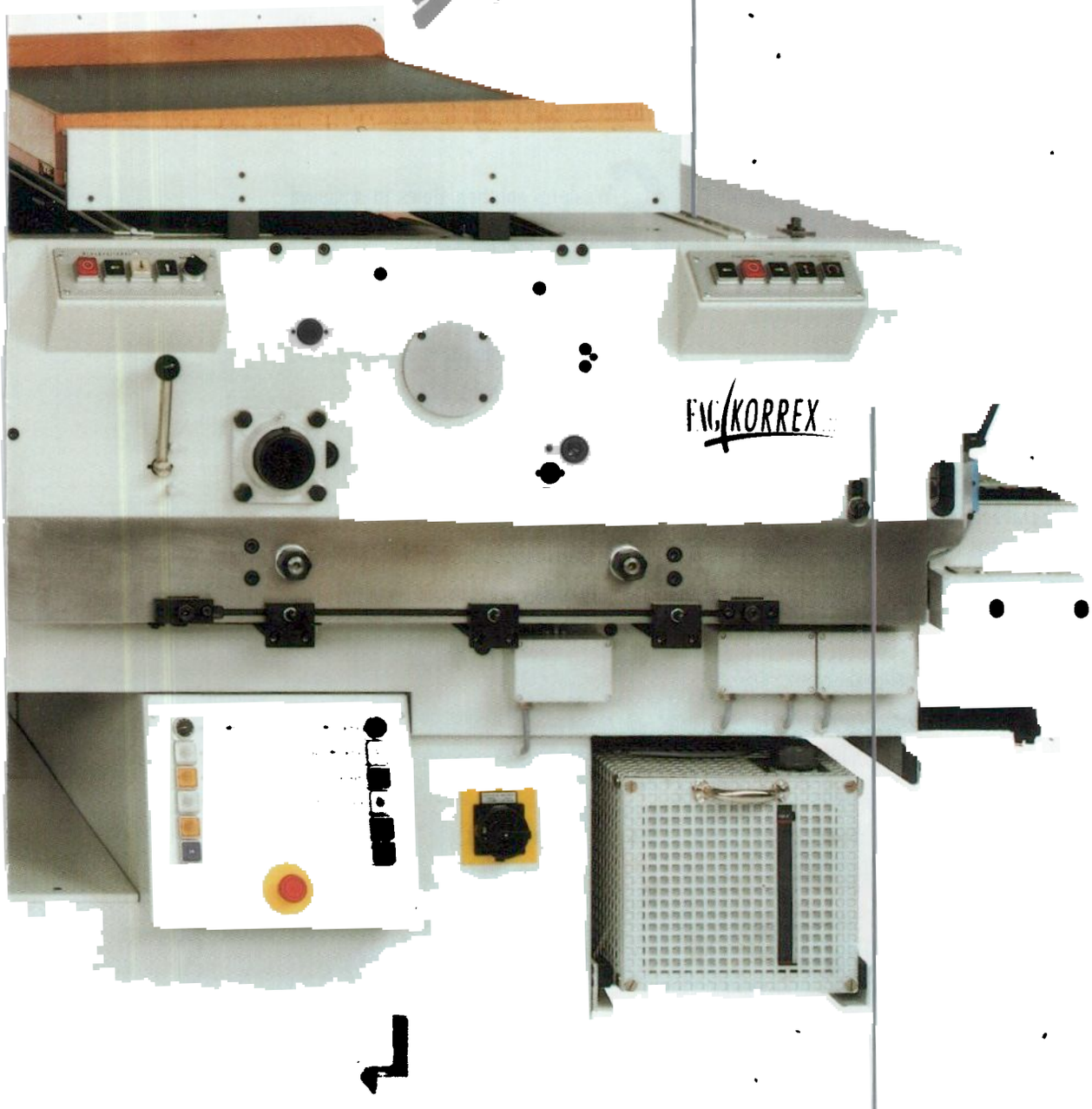
That's exactly what we are now offering you: Because we, Max Simmel Maschinenfabrik in Pforzheim and FAG-VRG SA Lausanne, Switzerland, have pooled our resources to bring you the optimum in the proofing sector today. German quality work and Swiss precision combined in successful cooperation.

The result: The new FAG KORREX 2000



APPLICATION ROLLERS

Application rollers with additional colour zone definition.



INTING CYLINDER

complete printing cylinder
'age runs with stable ball
'ings in steel-lined slideways.

SIDEWALLS

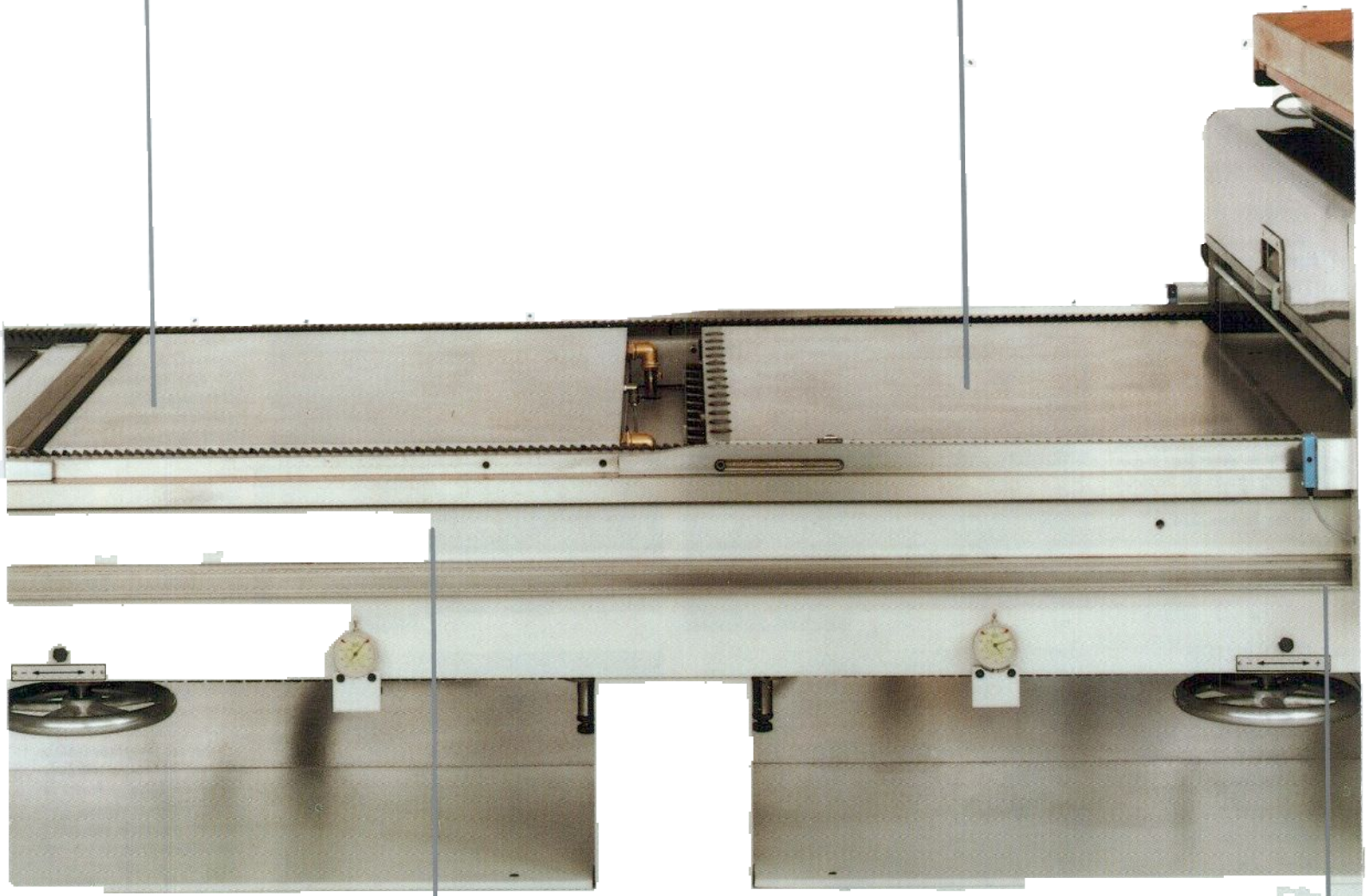
The printing cylinder is precision-mounted in massive sidewalls with special bearings.

PLATE BED

The plate bed consists of a corrosion-resistant aluminium alloy with integrated stainless steel cooling coil.

PRINTING BED

The printing bed with a precisely polished surface consists of a high quality alloy and is steplessly adjustable with an accuracy of 1/100 mm to 10 mm.

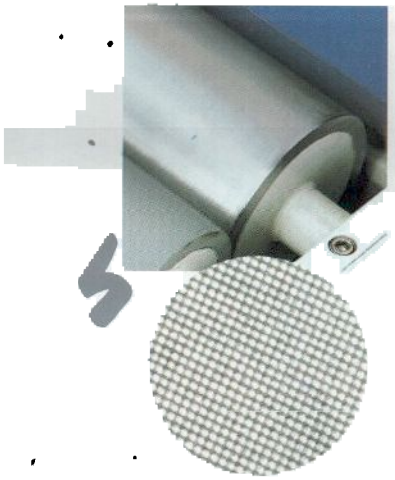


MACHINE BED

The strongly ribbed machine bed is cast from one piece. The distortion-free steel base is mounted on 6 adjusting plates and no vibration dampers are required.

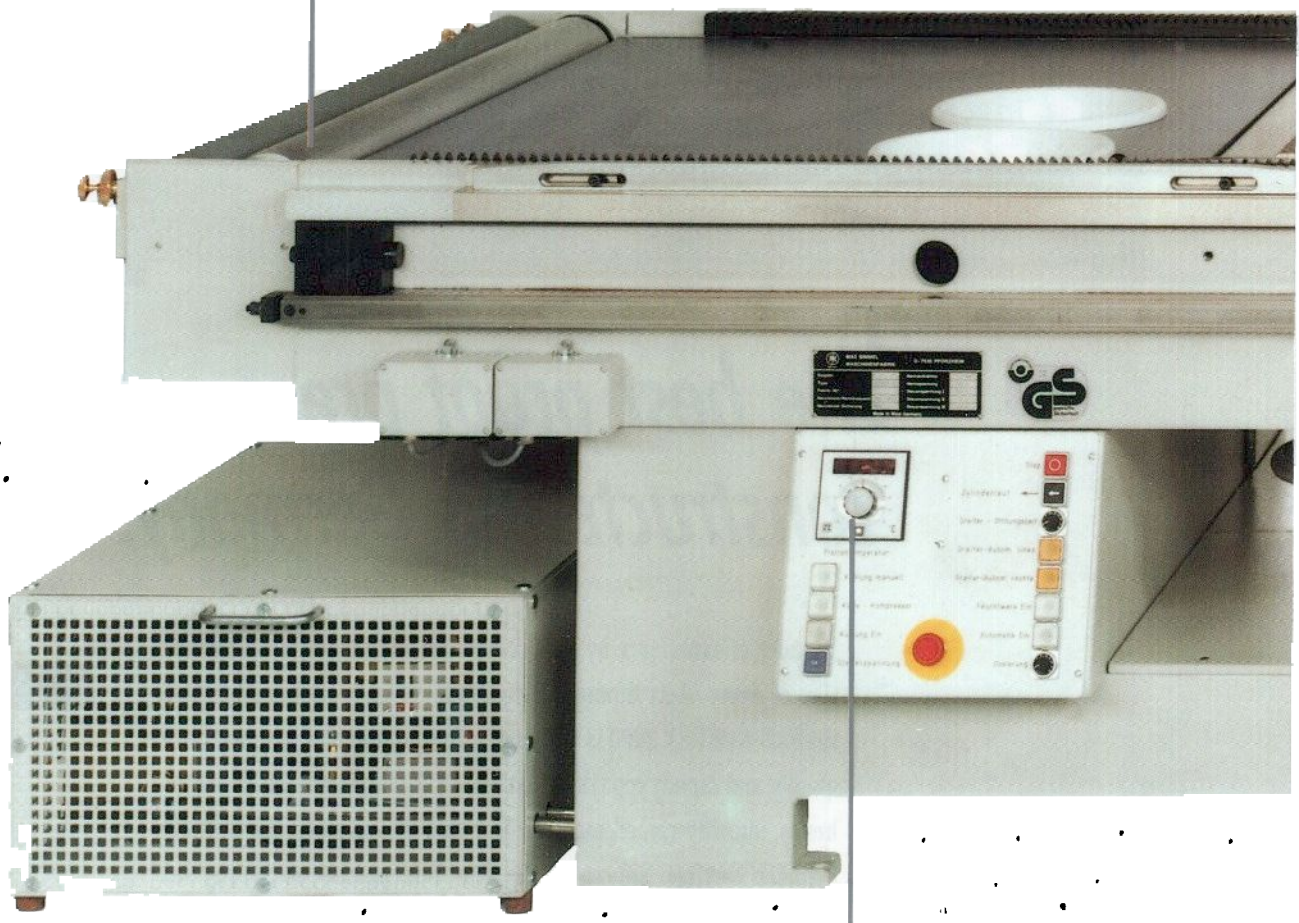
MACHINE BASE

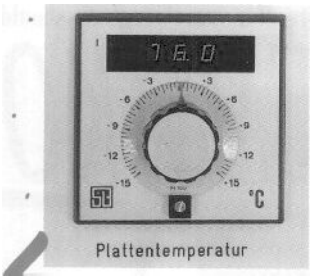
The machine base consists of a steel construction which is guaranteed to be distortion-free and is mounted on 6 adjusting plates.



ANILOX ROLLER

The anilox roller transports the dampening solution to the travelling dampening unit. The range of rotation and therefore the metering of the dampening solution is steplessly controllable from the central console.





AUTOMATIC COOLING

The temperature of the plate bed is automatically controlled by means of a thermostat.

INKING UNIT

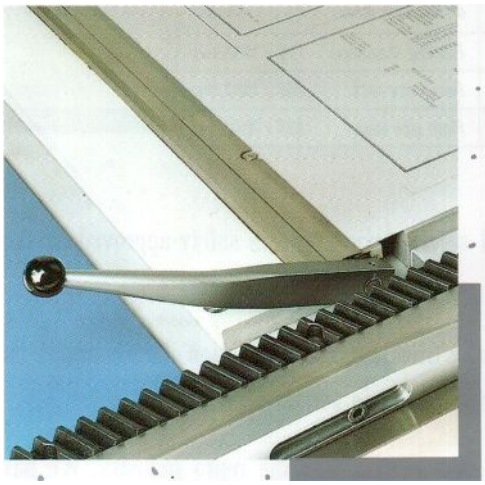
The inking unit consists of a travelling unit and a stationary unit. The travelling inking unit is equipped with 2 rider rollers, 3 copper-plated and oscillating distribution rollers ***and 3 inking rollers of different diameters.*** *The stationary inking unit contains 2 large oscillating ink drums and 1 interchangeable rider roller. One-way and double inking* ***are possible. The inking unit drive has a normal speed for printing and a fast speed for ink distribution and*** *washing.*

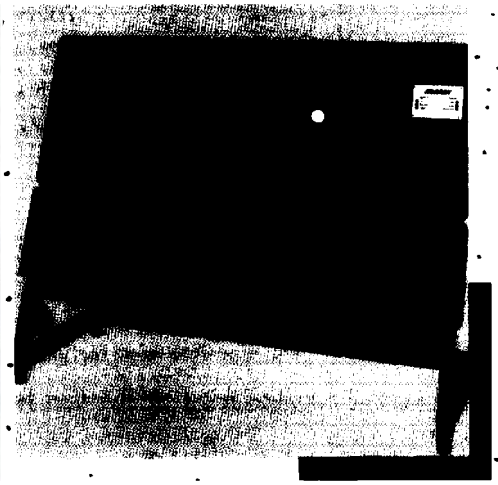
GRIPPER SYSTEM

The gripper system comprises 13 *spring loaded circular grippers,* ***2 adjustable front guides and 1 adjustable side guide. The paper grippers are operated electrically, semiautomatically or fully automatically.***

PLATE CLAMPING

The plate clamping device is made *of stainless steel and fastened to* ***the plate bed. Stepless adjustment is possible. It can be opened and closed by means of a fast-action*** *clamping lever. Any register system can be incorporated.*





REGISTER PUNCH

The FAG-KORREX register punch permits precise punching of plates and foils. The equipment includes 2 bars with register pins.

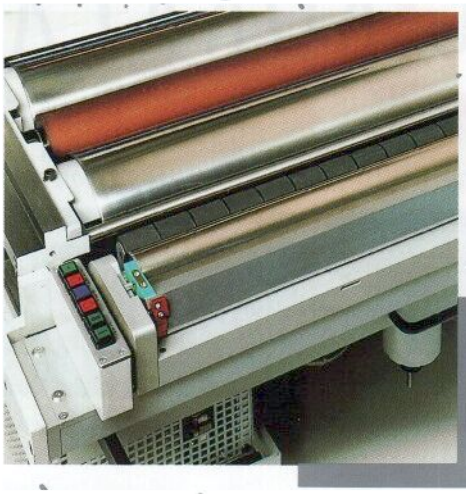
WASH-UP DEVICE FOR DAMPENING ROLLERS

The FAG-KORREX wash-up device for the dampening rollers ensures fast and thorough washing of the rollers of the dampening system. The corrosion-resistant, compact design has maintenance-free ball bearings requiring no lubrication.

ROLLER CARRIAGE

The roller carriage consists of a steel construction and stable wooden suspending device for 4 complete roller clearances.

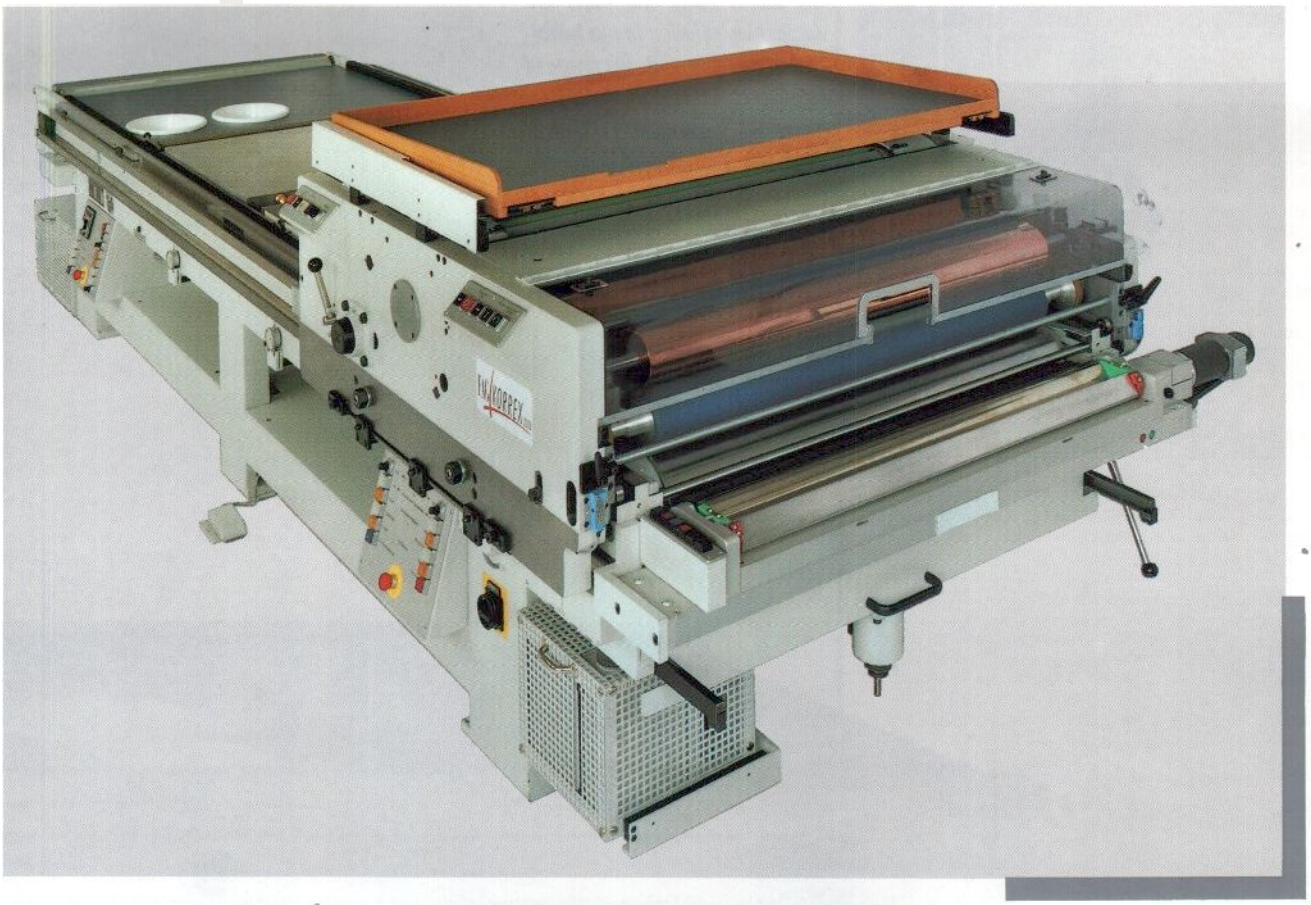
FAG KORREX 2000



ELECTRONIC INK CONTROL SYSTEM

The electronic ink ***control system,*** *connected in a* ***closed loop to the*** *scanning densitometer* ***automatically*** *monitors ink* ***feed for each*** *sheet. No interruption* ***of the printing*** *cycles is necessary* ***for measurement.***

The extremely user-friendly software program is also compatible with hand held densitometers of the latest generation.



The best proof press ever constructed in Germany.

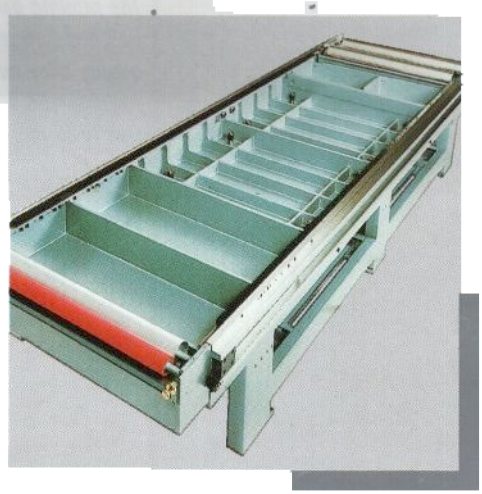
Decades of experience by both companies and the technical realisation of many ideas through German and Swiss precision mean that the FAG-KORREX 2000 is very cost-effective, provides constant print quality and rapidly repays its investment. Exemplary features are the heavy, sturdily ribbed machine bed cast in one piece, the massive cylinder carriage sidewalls, the four fold precise oscillating ink distribution in the travelling and stationary inking units or the modern microprocessor controls assuring maximum safety for the printer.

These advantages – and many others – are now available from one manufacturer and represent an optimum in economical proofing that you should benefit from:

FAG KORREX 2000

MACHINE BED

The ribbed machine bed is cast from one piece. The distortion-free steel base is mounted on 6 adjusting plates and no vibration dampers are required here. The plate bed is made of corrosion-resistant aluminium alloy with an integrated stainless steel cooling coil. The temperature is monitored electronically, is constant over the entire plate surface and automatically adapts to room temperature.

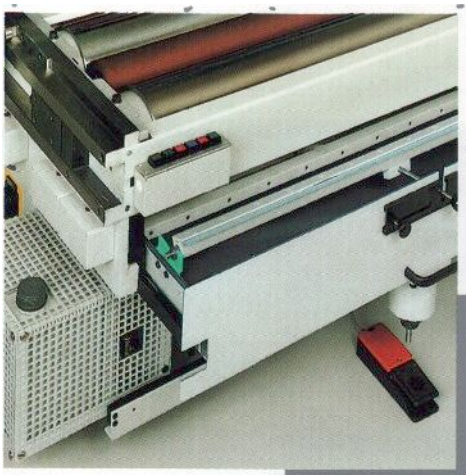


WASH-UP OF BLANKET

The printing cylinder rotates in the stationary position of the carriage for wash-up of the blanket. This can be initiated by the press of a button. After each revolution, the printing cylinder stops in the correct printing position. At the same time, wash-up of the inking unit takes place automatically (see photo below).

CLEANING

The inking cylinder and printing cylinder in the cleaning position. The adjustable automatic spray system is a standard feature and ensures minimum consumption of washing fluid. The roller washing device with doctor blade and collecting tray is located below the stationary inking unit.
The doctor blade can be removed for cleaning by a simple manipulation. The cleaned doctor blade is automatically brought into the correct washing position after the collecting tray has been closed.



CHANGING THE INKING ROLLERS

The two rider rollers which are merely inserted can easily be removed. To change the three inking rollers, the inking unit is raised electrically by pressing a button. The three distribution rollers are locked by two slides, and the inking unit is lowered again electrically. By slackening two knurled bolts, the three inking rollers can be pulled out and conveniently removed and changed.

INKING ROLLERS

The inking rollers are easily accessible and can conveniently be placed on the roller carriage or removed from it within seconds. Important: The roller adjustment is retained.

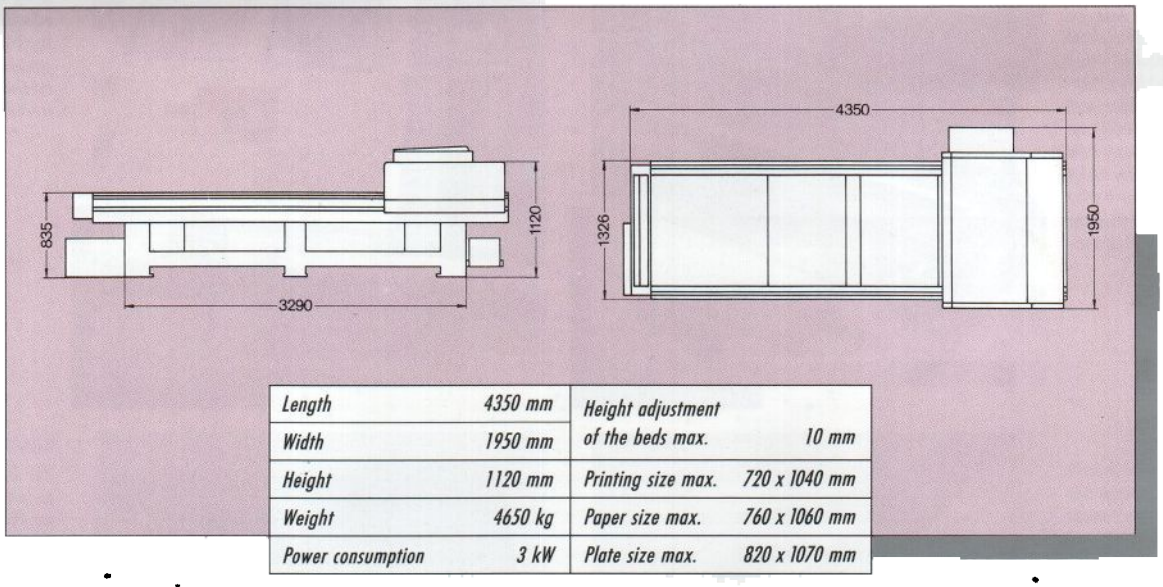
PRINTING CYLINDER CARRIAGE

Heavy cast sidewalls guide the printing cylinder by means of special bearings. The cylinder carriage driven by a gearmotor with brake system and helical racks runs on stable bearings in slideways lined with interchangeable steel belt. A special frequency regulator largely contributes for quiet and smooth running of the carriage. The printing cycle is adjustable to automatic, semiautomatic and manual. A microprocessor controls and monitors the entire printing cycle in the automatic mode.

DAMPENING UNIT

The dampening unit comprises a stationary unit and a travelling unit.
The travelling dampening unit has 2 dampening rollers, 2 solution storage rollers and 1 mat chromium plated rider roller.
The stationary dampening unit consists of 1 anilox roller and 1 rubber squeeze roller. The anilox roller transports the dampening solution to the travelling unit. The range of rotation of the anilox roller and therefore the metering of the dampening solution is steplessly controllable from the central consols.

The dampening solution tray is made of stainless steel and is equipped with an outflow tap. The mat chromium-plated rider roller („dirt roller") transports the dampening solution and at the same time takes the ink from the sleeves.
For colour change, the mat chromium-plated rider roller can be tilted forward for easy cleaning.



Length	4350 mm	Height adjustment of the beds max.	10 mm
Width	1950 mm		
Height	1120 mm	Printing size max.	720 x 1040 mm
Weight	4650 kg	Paper size max.	760 x 1060 mm
Power consumption	3 kW	Plate size max.	820 x 1070 mm

The FAG-KORREX 2000 is equipped with all required safety devices and is safety-approved by the German Inspectorate for the Printing and Paper Industry.

The massive, absolutely distortion-free construction permits transport and installation of the complete machine on site. Installation and commissioning can therefore be carried out in one day.

The future demands more dynamism, precision and adaptability from the repro industry. We have pooled our resources to offer you this in the best proof press ever constructed in Germany, for efficient and economical proofing.

FAG KORREX 2000

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