



rotaSCREEN MAGNET SYSTEM plus
ROTARY SCREEN PRINTING SYSTEM

RSDM Rotary Screen Open Bearing V



ROTARY SCREEN PRINTING MACHINE



Home Textiles
Printing

Home Textile Printing

Magnet bars with individual power adjustment for roll rods of various diameters allow highest possible rentability of the home textile printing process.



Fashion
Printing

Fashion Printing

Fast, easy handling, perfect reproducibility for repeat orders and individual adjustment of magnet power and roll rod diameter at each printing station.



Flag
Printing

Flag Printing

Uniform surface prints or full colour penetration thanks to the individual adjustments of magnet power and roll rod diameter.



Technical
Textiles

Technical Textile Printing

Technical textiles are used in the sportswear industry as well as in many new operation fields like e. g. printing PVC, PU and other coated materials.



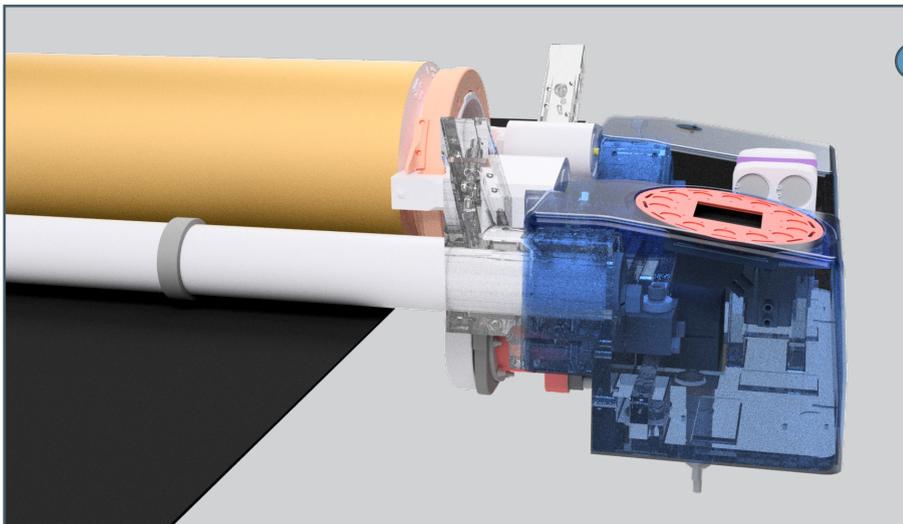
Wallpaper
Printing

Wallpaper Printing

Wet in wet printing, optionally with intermediate dryer. Printing widths of 90, 120, 140 cms ensure perfect quality and rentability of wallpaper printing.

Rotascreen - Open Bearing System V

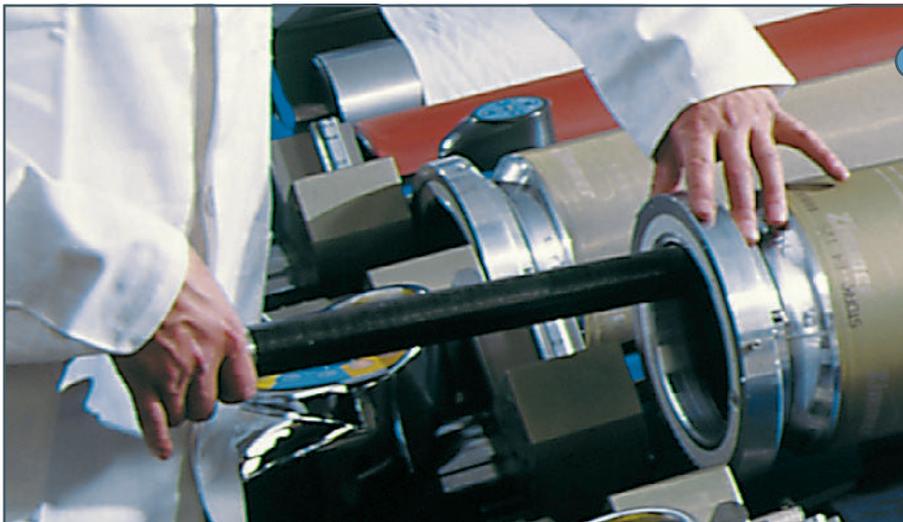
Very compact and solid construction with merely one rigid high quality steel support across the printing machine table, assures optimum view onto the printed fabric between each printing station. Repeat size adjustment from 64 to 120 cms. Available printing widths: 165 / 185 / 225 / 250 / 285 / 330 cm, and up to 24 printing stations. The V-Type print head with the open bearing system offers fast handling and set up of the screens together with the colour pipes design changes.



Digital synchronisation

Digital Synchronisation

Between the screens and the printing blanket drive guarantees high printing accuracy at any printing speed of up to 120 meters per minute. One servomotor is mounted on each printing station.



Open bearing printing head

Open Bearing Printing Head

Unique width adjustment allow narrow printing on any wider machine, pre-repeat adjustment and design memory for repeat orders. Screens, colour pipes and roll rods are installed and changed simultaneously.

Rotascreen machine details - feeding device options

The **Cloth Feeding Devices** can be chosen and configured from a number of options in order to be adapted to various textile qualities. Standard woven, sensible knits, terry towels and even blankets, single-strand or double-strand tubular goods will be guided from the roll or box and glued onto the printing blanket.



Unbatching device



Cloth cleaning device

1 | The Unbatching Device comes with a stepless automatic digitally controlled speed control drive system, which transports any kind of woven and knits from small or large rolls onto the printing machine.

2 | The Cloth Cleaning Device the standard basic suction system optionally can be combined with a brushing, blowing or beating system. One-side or both-side cleaning may also be opted.

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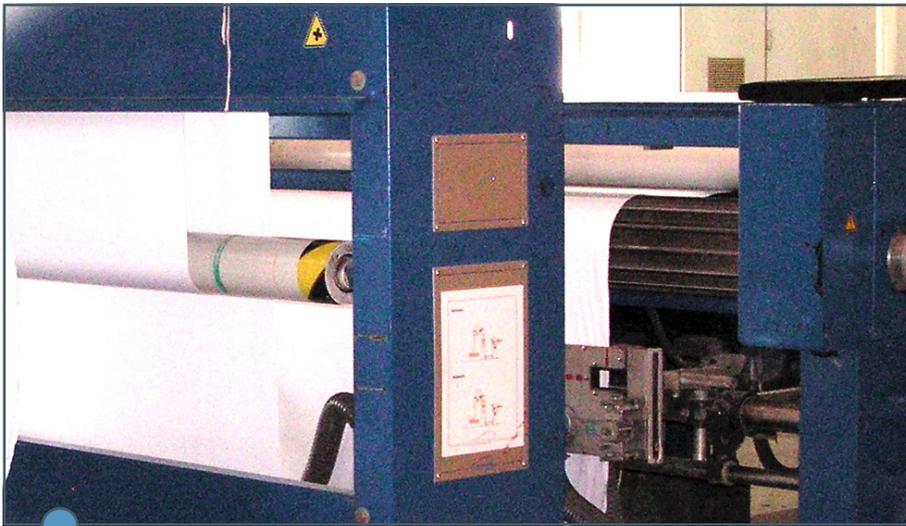
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Rotascreen machine details - feeding device options

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Cloth guiding system with high quality lattice roller



Thermoplast glueing device

3 | Cloth guiding system with lattice roller and edge uncurler.

4 | Thermoplast glueing device with cloth heating shield and infrared heating elements. For perfectly uniform glueing of synthetic fabrics.

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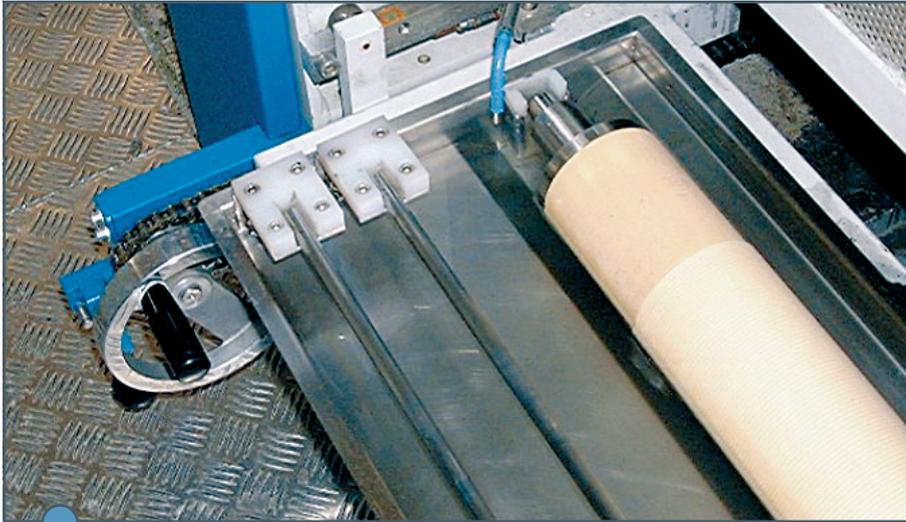
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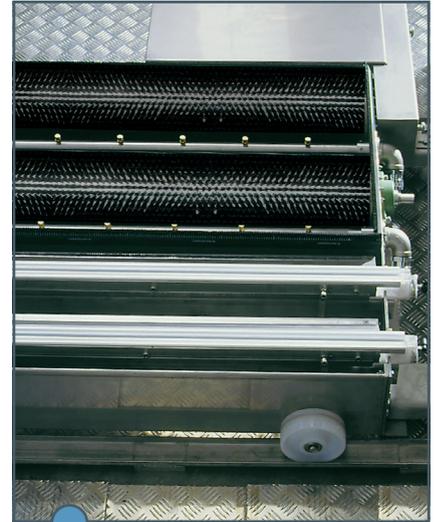
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Rotascreen machine details - glueing and washing



Wet glueing device



Washing device

5 | Wet glueing device with optimized squeegee application system and automatic glue feeding pump.

8 | Printing blanket washing device with high quality brushes and water recycling system for a minimum of fresh water consumption.

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Rotascreen machine details - operating

An automatic high-speed printing machine is as good as its electronic control systems. The New Rotascreen Printing Machine comes with a totally integrated, but simple to handle computer control system. In order to avoid all negative possible heat influences, all top quality electronic components are mounted into air-conditioned cabinets.



Touchscreen operating panel



Repeat navigator



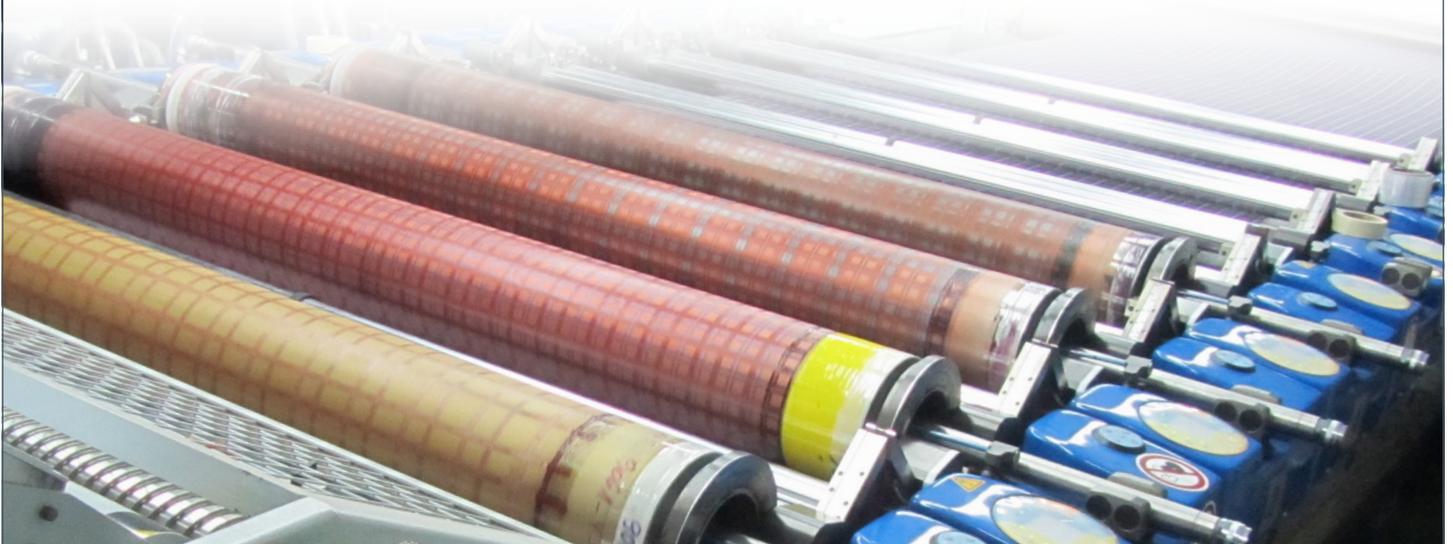
Operating panel right



Operating panel left

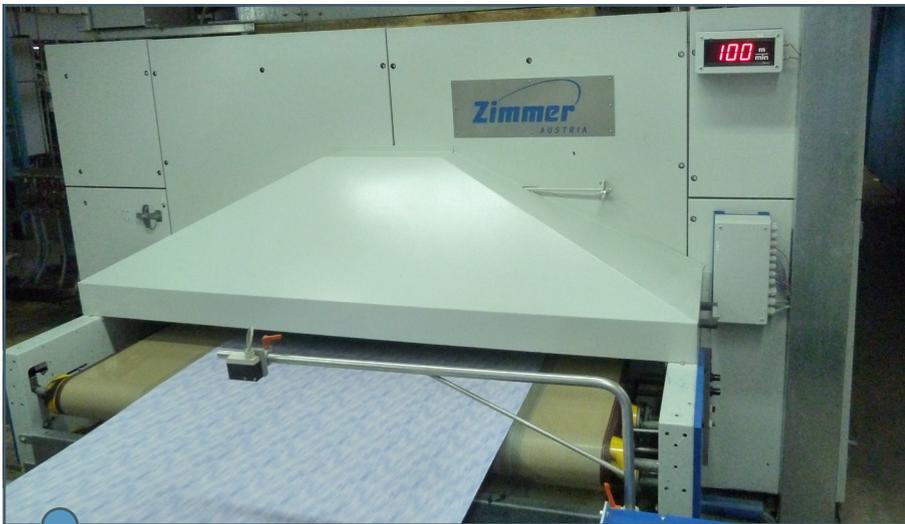
6 | The touch screen operator panel as well as all adjustment buttons on the machine come in your mother language. The CAN-BUS system connects all controls, drives and sensors on the printing machine. Printing design memory eases the job for your repeat orders.

7 | Navigator and printing station operating panels for a perfect pre-adjustment and fine-adjustment of the repeat parameters and of all necessary functions. The Multi-colour indicator panels are ergonomically situated directly on each print head.



Rotascreen machine details - drying

The **drying process** has a major influence on the final quality of the textile printing process. The modular construction of the high efficiency and powerful hot air nozzle dryer assures even and perfectly controlled drying of your printed textiles. The heating system can be suitable for central steam, thermal oil, hot water, as well as direct or indirect gas burners. (For more details please see our separate dryer leaflet.)



High capacity hot air dryer



Cloth exit device

9 | The dryer cabinets can be mounted on ground level or on top of a substructure in a height of 1,0 up to 2,8 meters, in order to gain space underneath the dryer for the storage of accessories or textile goods.

10 | The cloth exit device can be designed to your individual needs. For example with antistatic-devices, J-Box, inspection table or central winder.

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Rotascreen machine details - colour application system

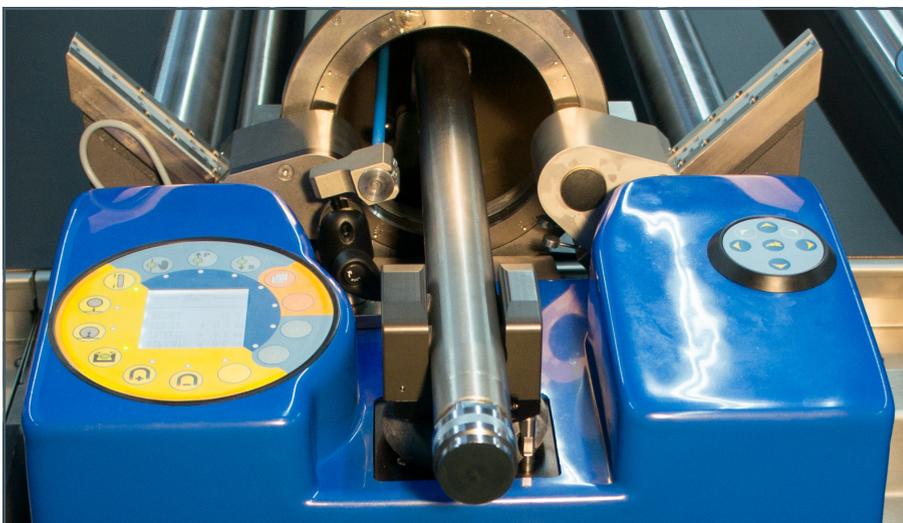
The colour application system is based on the famous original Zimmer Magnet System Plus and combines all advantages of the Magnet System with the traditional blade squeegee system. Roll rod and blade squeegee solutions are available and combine therefore all technological advantages.



Colour pipe holder

Colour pipe holder

with pneumatic fixation for fast and save set-up of the screen together with the colour pipe.



Squeegee holder

RSDMV open screen bearing printing head

with digital operating panel and repeat navigator.

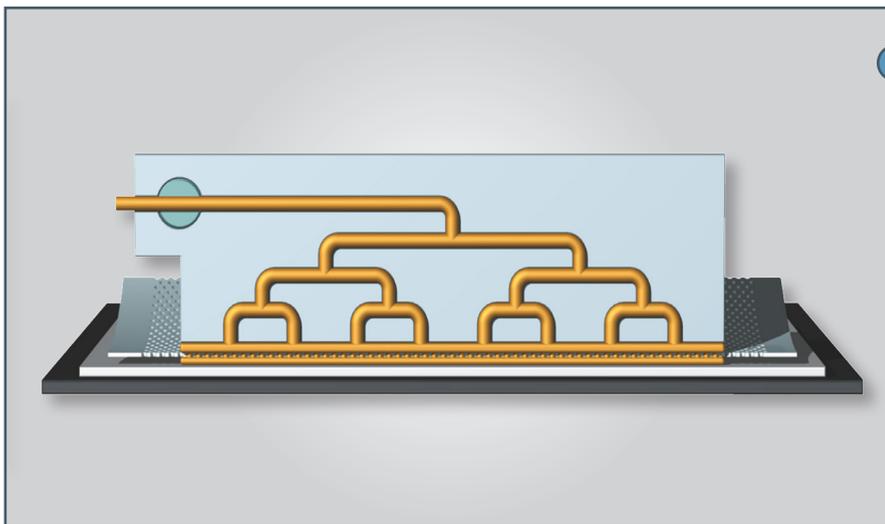


Rotascreen machine details - colour application system

The modular squeegee construction allows individual exchange of parts like colour pipe, main body, magnet holding ledge and side limiters, all parts are made either of stainless steel, aluminium or CFK-carbon fibre.

The standard colour pipe **RG-S1-ECO** with magnetic holding ledge may be used for any roll rod diameter from 6 to 30 mm.

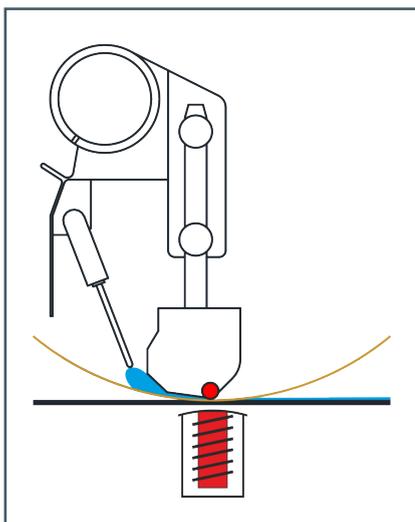
The **Variocolor** application system combines all advantages of the Original Magnet System and the traditional blade squeegee system.



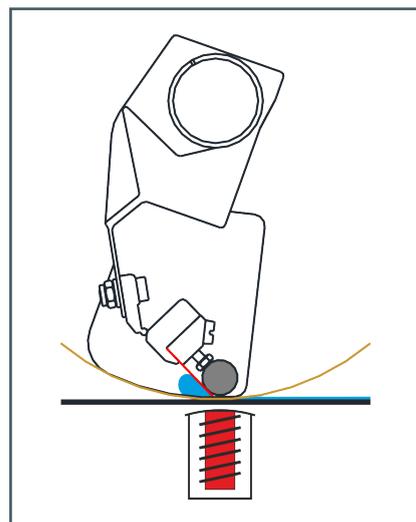
BVS micro channel system

All standard colour pipes can be optionally executed with the BVS micro channel system for more precise paste distribution.

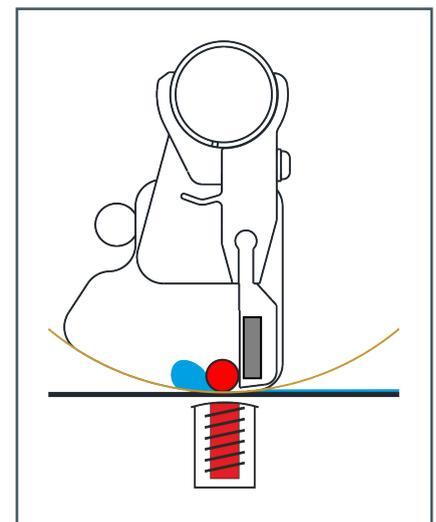
BVS micro channel system developed by Zimmer



Variocolor application system



Magnet blade squeegee



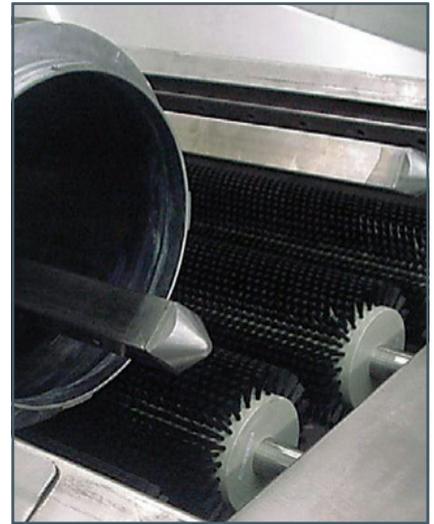
RG-S1-ECO squeegee

Rotascreen machine accessories - sample printing, screen and squeegee washing

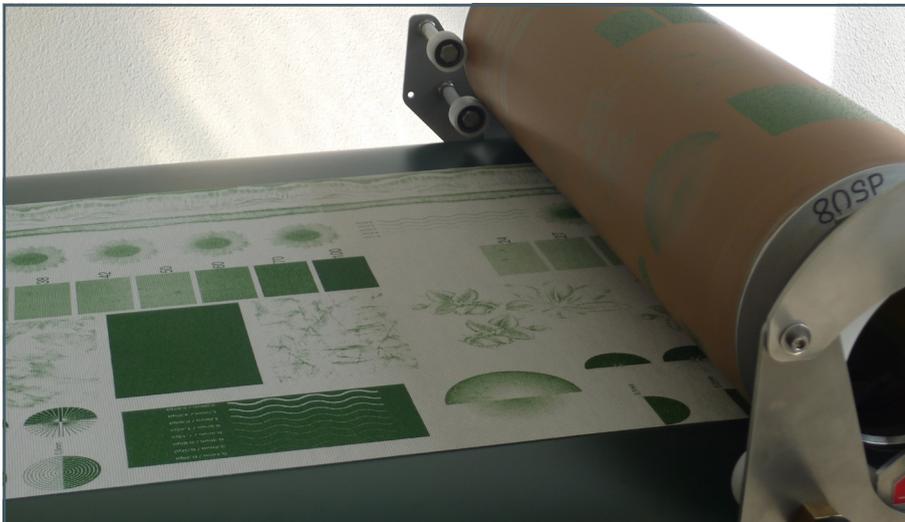
For the perfect printing sample prior to the printing production process you may opt for the Midi-II-R in the same printing width as your production machines for real-size sample printing with either closed or open bearing system for the testing of the production screens.



Midi-II-R sample printing machine



Screen washing machine



Mini-MD strike off machine



Waste water filter system

Mini-MD strike off-machine is available in size 60 x 70 cms or 60 x 128 cms. It may be used for the development and verification of paste viscosities, colour concentration and magnet power adjustments.

Rotary and squeegee device washing machines are available for either one, two, three or four screens at a time and up to six squeegees.

(For more details on washing and sampling machines please see separate leaflet)

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PIONEERING INNOVATIONS FOR MORE THAN 135 YEARS



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