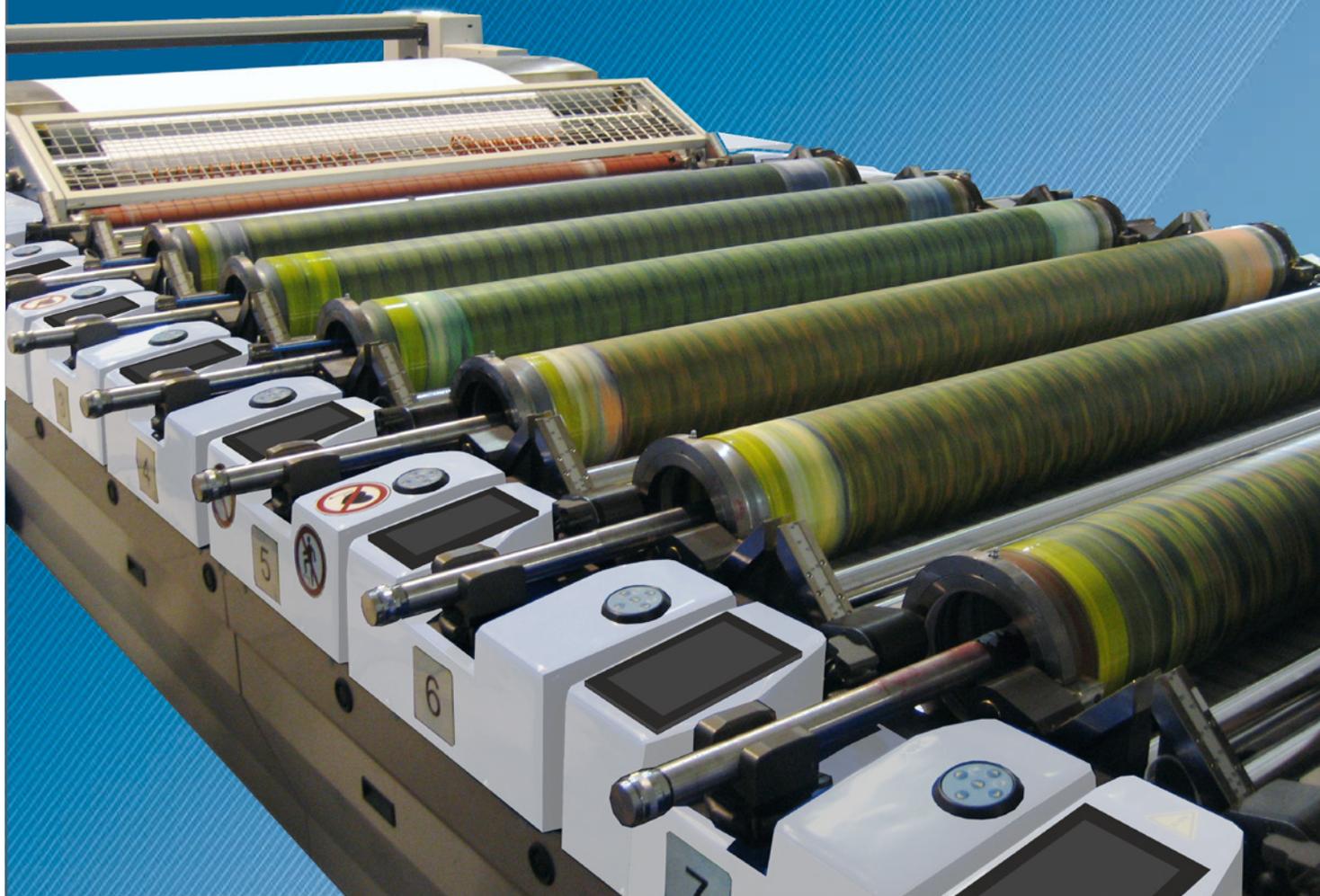


PIONEERING INNOVATIONS
FOR 150 YEARS

ZIMMER AUSTRIA | SCREEN & COATING SYSTEMS

Zimmer
AUSTRIA



THE COMPACT

RELIABLE

EASY HANDLING

HIGH PRODUCTION

ROTASCREEN.RSDM

| ROTARY SCREEN OPEN BEARING V



www.zimmer-austria.com

ROTARY SCREEN PRINTING MACHINE

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

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

FLAG PRINTING

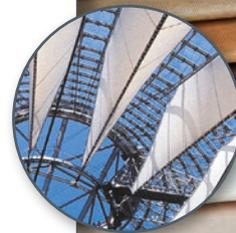
Uniform surface prints or full colour penetration thanks to the individual adjustments of magnet power and roll rod diameter.

TECHNICAL TEXTILE PRINTING

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

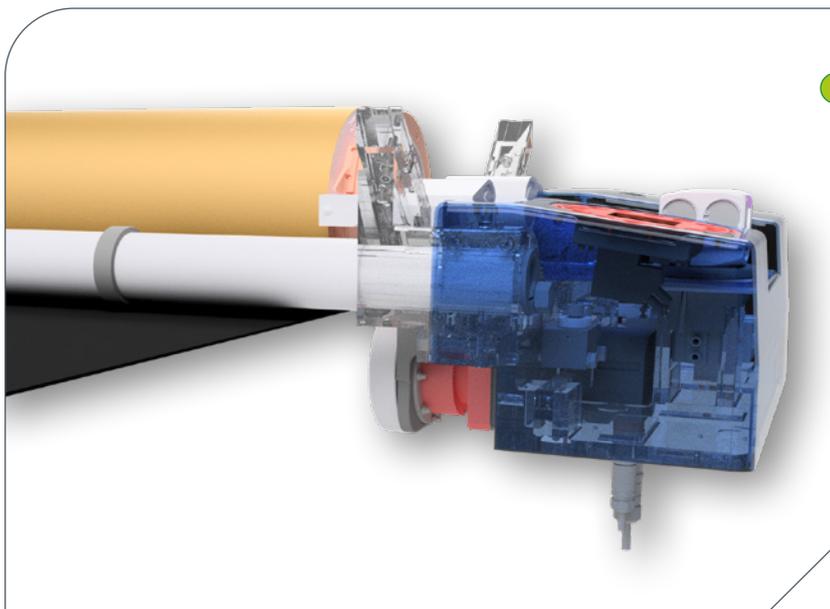
WALLPAPER PRINTING

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

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

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.



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.

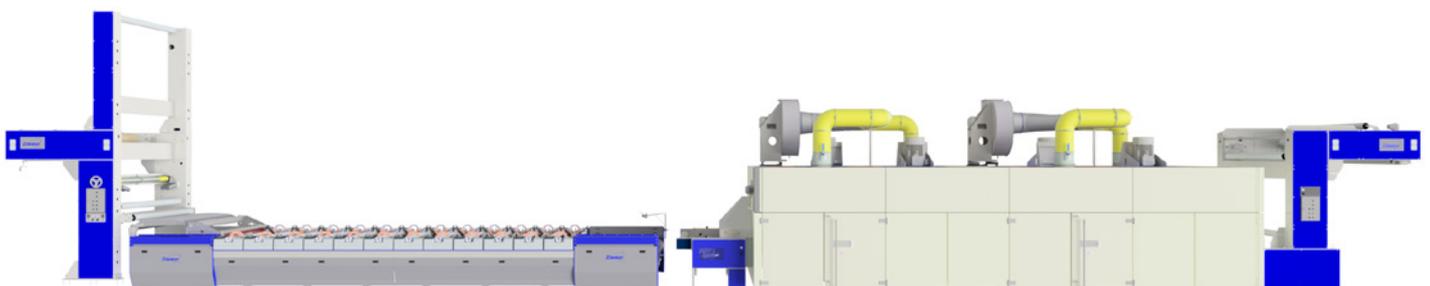
1 | 2 | 3 | 4 | 5 |

6 | 7 |

8 |

9 |

10 |



ROTASCREEN MACHINE DETAILS | GLUEING AND WASHING



3 | Cloth guiding system
with optimized squeegee application system and automatic glue feeding pump.



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



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.

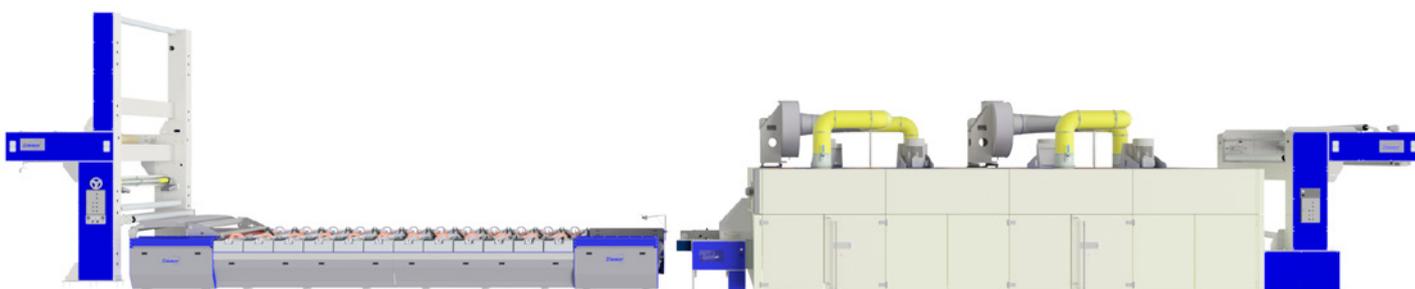
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ROTASCREEN MACHINE DETAILS | OPERATING

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.



Operating panel | operator side

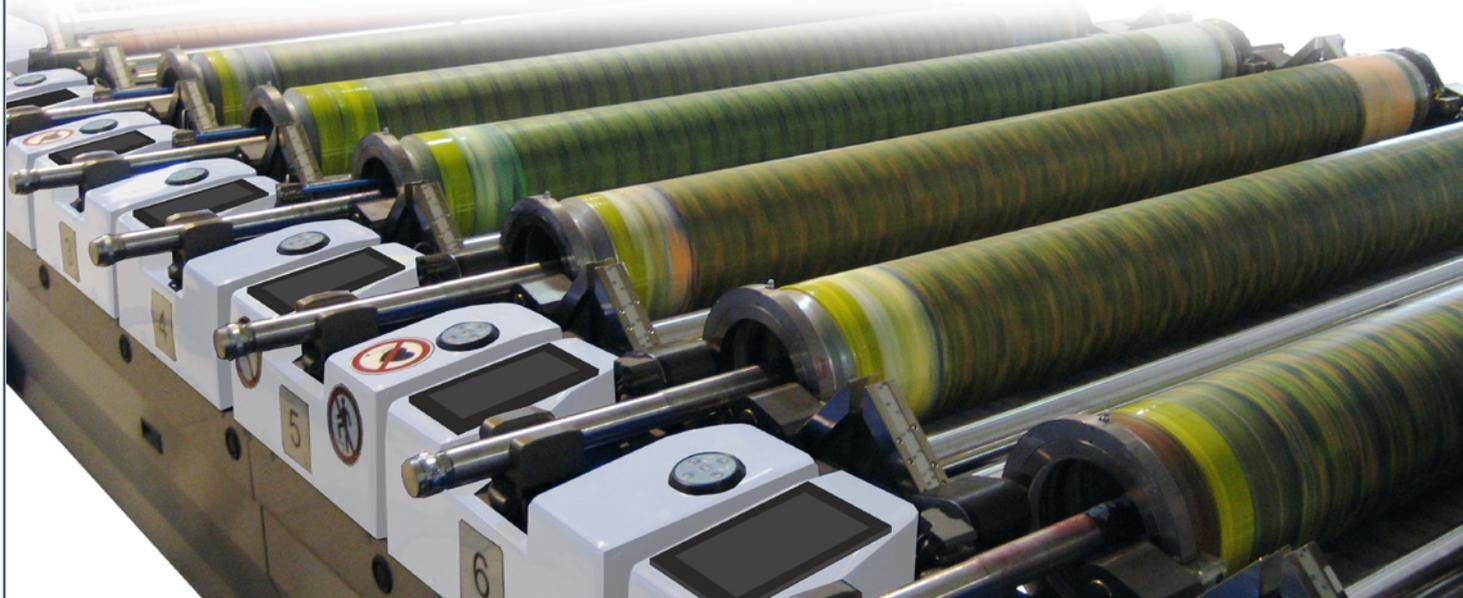


Operating panel | opposite side

6 | The touchscreen main control 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 | Operating panel and repeat navigator on each printing station to ensure easy handling and quick adjustment of:

- the **working width** and other printing parameters
- the **magnet power**
- the **automatic repeat-setting**
(with design memory for quick re-production of designs)



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 gas burners.



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.

i Please see separate leaflet | **THERMOCURE high capacity hot air dryer**

10 | The cloth exit device

can be designed to your individual needs. For example with antistatic-devices, J-Box, inspection table or central winder.

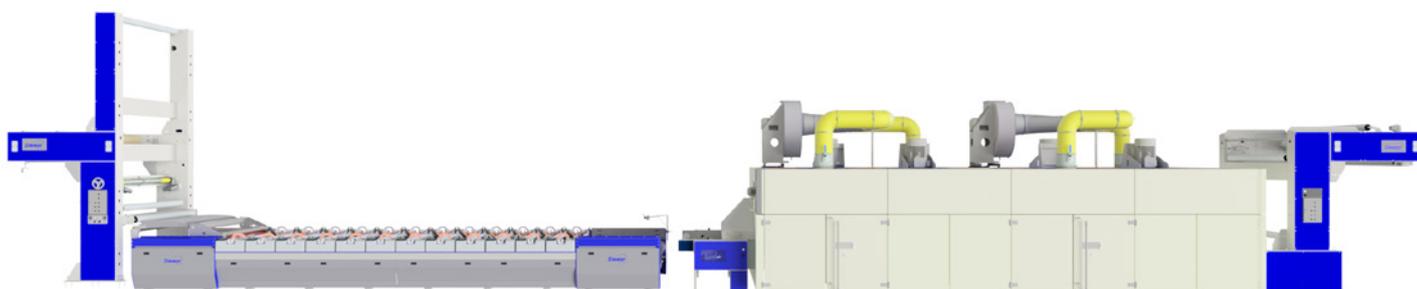
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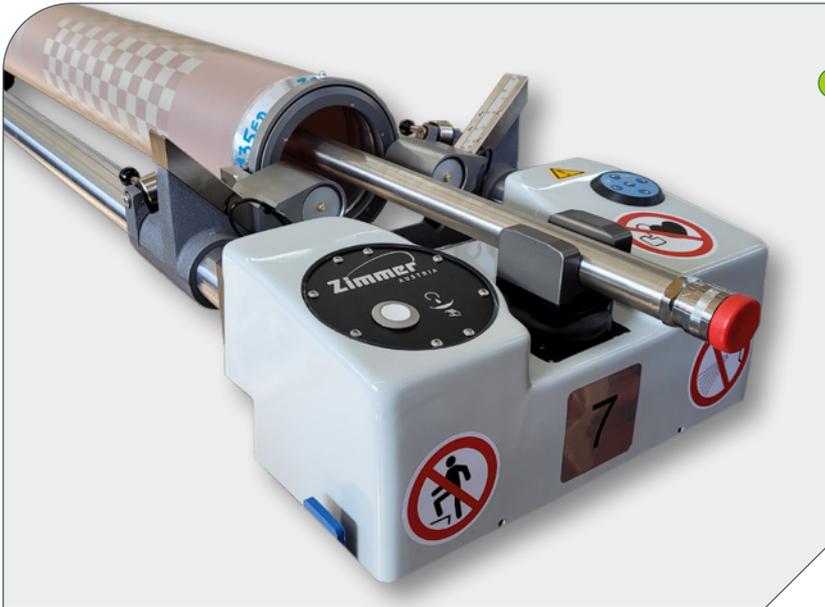
9 |

10 |



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

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

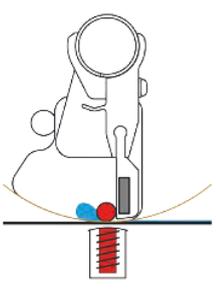


RSDM-V OPEN SCREEN BEARING PRINTING HEAD

with digital operating panel and repeat navigator.

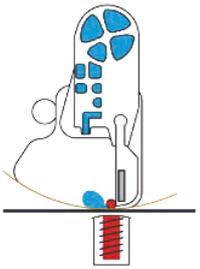
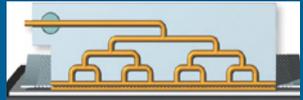
COLOUR APPLICATION SYSTEMS

The modular squeegee construction* allows an individual exchange of parts like colour pipes, main body, magnet holding ledges and side limiters. All parts are made either of stainless steel, aluminium or CFK-carbon fibre. Different colour application systems according to your individual requirements:



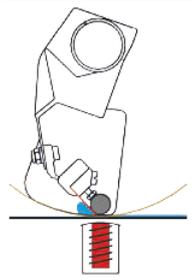
**RG-S1-ST-ECO
ROLL SQUEEGEE**
Standard colour pipe with magnetic holding edge
for any roll rod diameter from 8 to 30 mm

**RG-S2-BV
ROLL SQUEEGEE**

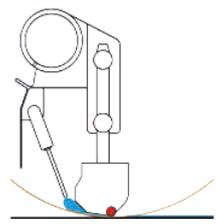
The **ZIMMER AUSTRIA BVS micro channel system** for more precise paste distribution
optional for all standard colour pipes

**VARIOCOLOR
MAGNET BLADE
SQUEEGEE**



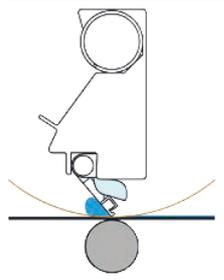
Ultra light and versatile

**VARIOCOLOR
ASG APPLICATION
SYSTEM**



All advantages of the **Zimmer Magnet System Plus** and the blade squeegee system combined

**AIR-FLOW BLADE
SQUEEGEE**



Perfectly even colour application

FROM IDEA TO INNOVATION

Accelerating our client's success is at the heart of our DNA. At our **TECHNOLOGY.APPLICATION CENTRE** in Klagenfurt (Austria) we provide you with comprehensive support and advice from the initial idea right up to your production print- or coating line as well as the development of new applications.

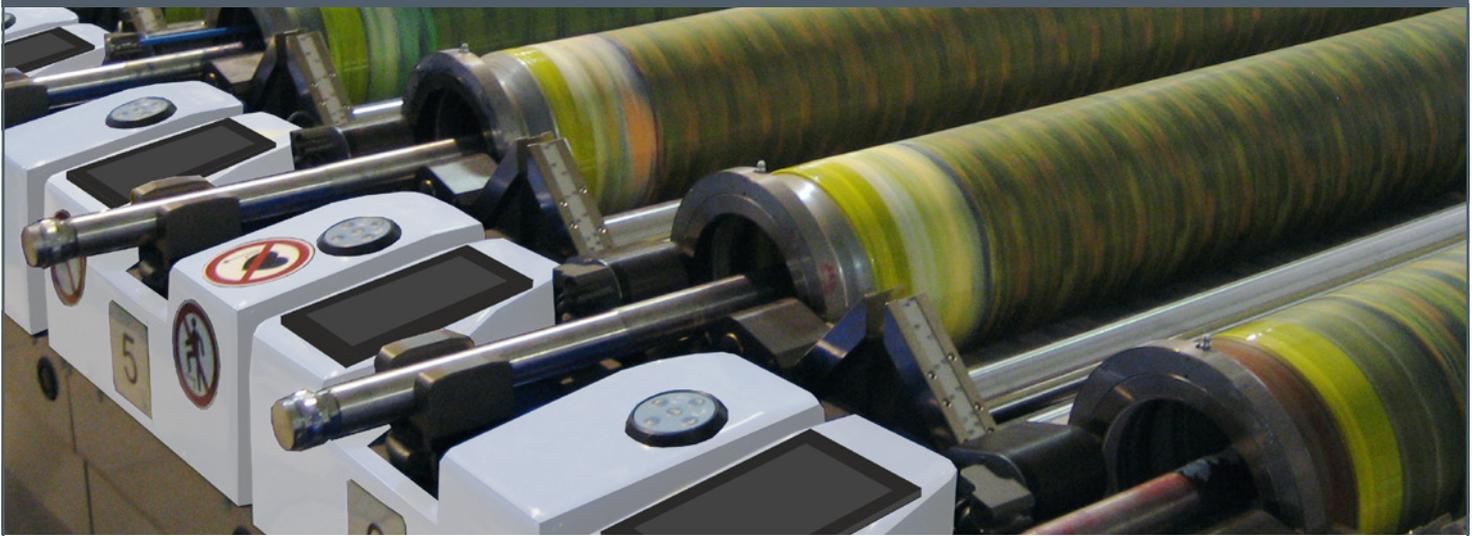
Run trials or even small-scale productions to consequently improve your products or even develop new innovative solutions. Our experts will advise you which solution fits best to your needs.

TECHNOLOGY.APPLICATION CENTRE KLAGENFURT: R&D | Sampling | Workshops & Training | Convention



Overview of the technology centre in Klagenfurt (Austria)





ROTASCREEN SPECIFICATIONS	Open bearing system V
Working width	165 / 185 / 225 / 250 / 285 / 330 cm
Number of printing stations	up to 24
Repeat size adjustment	from 64 cm to 102 cm
Print head	open bearing printing head
Printing speed	up to 120 meters per minute
Colour pipes	RG-S1-ST-ECO roll rod squeegee, Variocolor magnet blade squeegee, Variocolor ASG roll & magnet blade squeegee, Air-Flow blade squeegee * optional for all standard colour pipes: the ZIMMER AUSTRIA BVS micro channel system
Squeegee holding devices	Type RSDM-V
Control system	ACR-5
Dryer	High capacity hot air dryer for all kinds of fabrics

FIRST IN QUALITY & FIRST IN SERVICE

PIONEERING INNOVATIONS FOR 150 YEARS



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