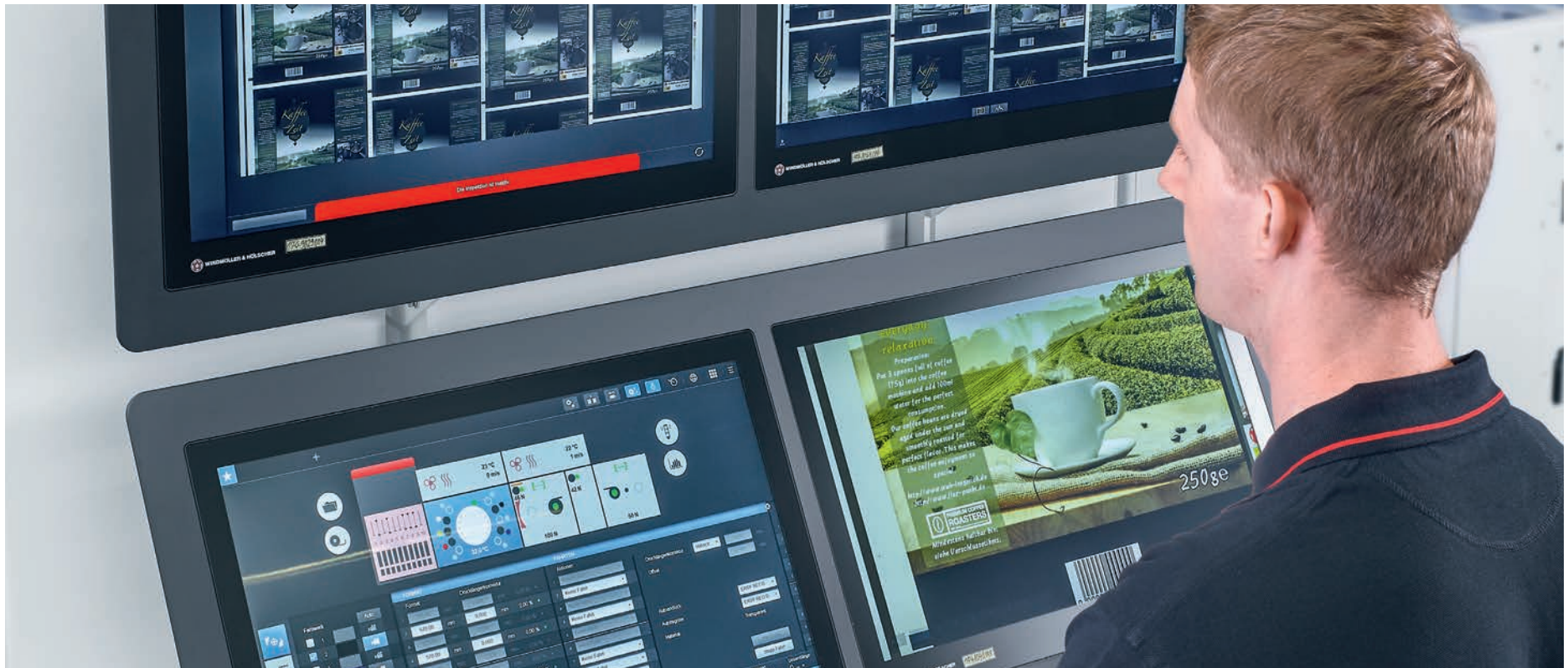


# MIRAFLEX<sup>™</sup> – Bestseller with the greatest flexibility in flexographic printing



# It's your choice: 8- or 10-color, narrow- or wide-web, with standard or large repeat lengths

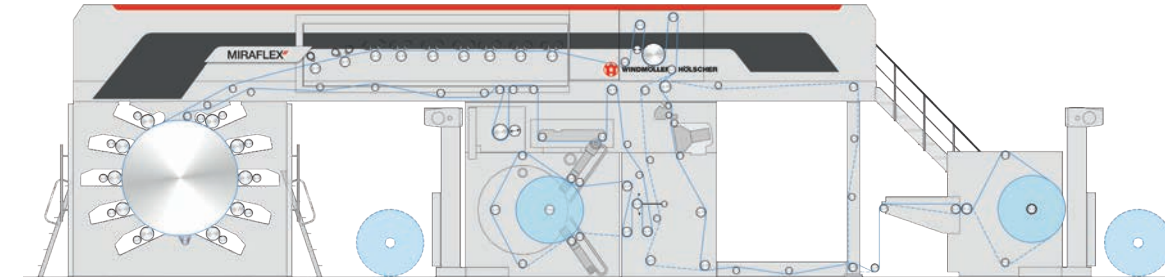
The MIRAFLEX is the most productive CI flexo-graphic press in the world. Designed for a wide range of applications, the MIRAFLEX offers superior printing deck design, drying capabilities and web handling. The press includes special on board systems for monitoring and controlling print jobs as well as optimizing the entire production process.

Integrated in the press are W&H developed modules for quick, waste-minimizing set-ups and job changes as well as web monitoring/inspection systems. These systems enable coordinated operation, quick machine set-up, print monitoring, defect detection, and analyses of print defects and suggestions for intelligent, automated processes for troubleshooting.

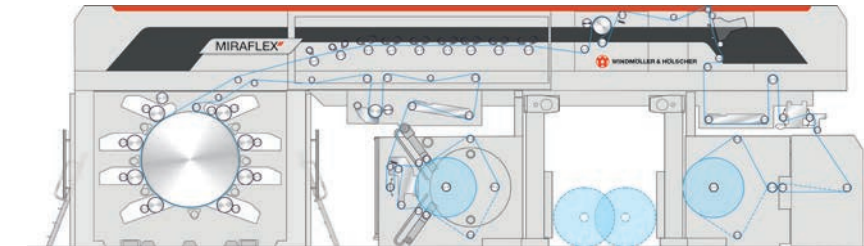
**PACKAGING 4.0 READY:** With the MIRAFLEX<sup>™</sup>, you are equipped for the future of package printing.



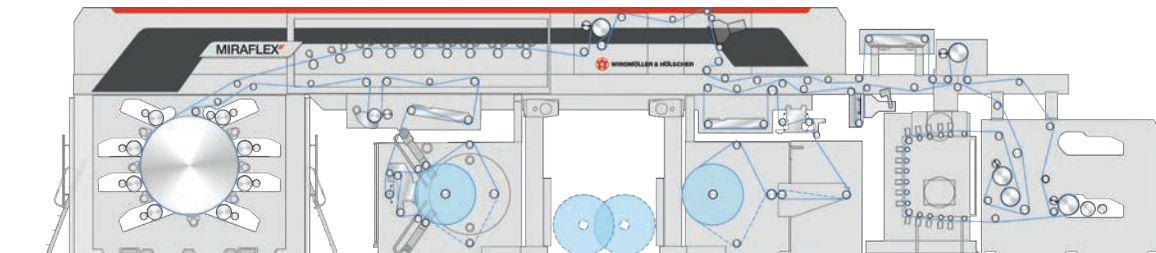
MIRAFLEX<sup>™</sup>: The field-proven press with intuitive handling and optimal accessibility



MIRAFLEX<sup>™</sup> with 10 color decks in DUAL-PORT configuration



MIRAFLEX<sup>™</sup> with 8 color decks in space-saving SINGLE-PORT configuration



MIRAFLEX<sup>™</sup> SINGLE-PORT configuration with inline flexo printing unit

The MIRAFLEX<sup>™</sup> is available as either a SINGLE or DUAL-PORT press.

With SINGLE-PORT machines, unwind and rewind rolls are accessible from the same place. In the case of DUAL-PORT machines, unwind and rewind are accessed separately.

MIRAFLEX<sup>™</sup> presses can be tailored specifically to your production process and print requirements, and include downstream, flexo or gravure inline stations.



# Quality and Performance: Unbeatable benefits of the MIRAFLEX<sup>®</sup>



Sleeve changes: quick and easy

The MIRAFLEX<sup>®</sup> CI section is manufactured for superior stability and print quality. The printing decks are positioned in a satellite-configuration and bearings on the operator site of the machine can be locked with controlled torque. The result: safety and stability of the printing decks.

Over 650 MIRAFLEX presses have been sold to date and are testimony to their high quality and longevity.

Electrical components for the power supply and machine control are compactly housed in the E-Base. This offers you easy access to the treaters, temperature control, dryers and web monitoring/inspection systems.

The TWIN-BLADE technology provides significantly improved capabilities of the tunnel dryer: Better output with less energy.



Extremely effective: TWIN-BLADE drying system

The TURBOCLEAN ADVANCED inking and wash-up wash-up system employs automatic frequency control for the diaphragm pumps. We designed TURBOCLEAN ADVANCED E with special electrically driven orbiting pumps. Deciding which



TURBOCLEAN ADVANCED E: Quick and effective ink changes on the MIRAFLEX<sup>®</sup>

of our TURBOCLEAN systems will be right for you depends on the performance levels you are looking for, as well as changeover times, energy efficiency and overall maintenance requirements at your plant.

EASY-COL for effective color matching on press results in a significant reduction in the length of job change times on the MIRAFLEX<sup>®</sup>.

# PROCONTROL: Intuitive Operation

## VISION: Future-Oriented Print Quality Control

The heart of the MIRAFLEX<sup>®</sup> is the PROCONTROL terminal with a low-relection 24" HD multi-touch-screen that provides the operator at the helm of all production decisions.

The VISION assistance systems for monitoring production and detecting defects were designed in-house by W&H and are integrated fully in the press. These easy-to-use systems provide effective support for avoiding defects, increasing print quality, monitoring print quality and output, as well as increasing profitability.



Intuitive machine operation and production control:  
PROCONTROL machine operating display and MACHINE-CAM-MONITORING

VISION-ZOOM shows images of the web in high resolution and definition never reached before now.

The VISION-FULL monitor can be used to retrieve ultra-high-resolution images from line scan cameras for web inspection and defect detection. VISION-FULL is the basis for the addition of EASY-SET HD and EASY-REG D, the automation modules for quick and precise impression setting and register setting for job changes – both important components for increasing productivity.

VISION-CHECK is another fully-integrated part of the VISION system. VISION-CHECK can inspect barcodes, provide 100 % print inspection, compare print with a PDF and recognize color and tone deviations while the press is running.

Additional features are available for printed reports, controlling energy usage, and live monitoring of production and machine conditions.

Detailed information: Automation and Assistance Systems from Windmüller & Hölscher



VISION-CHECK used in combination with EASY-SET HD



# MIRAFLEX<sup>™</sup>

## Outstanding features

	Automation	PACKAGING 4.0	Performance	Sustainability
Satellite arrangement of the printing decks			X	
Automatic roll-up doors for deck access	X		X	
CI sleeve nip roll	X		X	
Integrated EASY-SET impression setting system	X	X	X	X
Pusher for facilitating sleeve/anilox changes	X		X	
Toolless doctor blade chamber sleeve/seal change			X	
TURBOCLEAN inking and wash-up system using minimal energy and solvent use	X		X	X
Integrated ink cooling	X			X
EASY-COL color matching system	X	X	X	X
TWIN-BLADE tunnel dryer			X	X
Integrated treater	X	X		
Integrated edge guides	X	X		
Integrated web inspection and defect detection using matrix and line scan cameras	X	X	X	
ISP integrated databank for press and production data		X		
Full web thread-up chain	X		X	
Fully-automated roll changes at full press speed	X		X	
Integrated Remote Service		X	X	
Preventive Maintenance		X	X	
24/7 – 365 service with engineers		X	X	

## Technical Specifications

Color decks	8 or 10
Print width	820 – 1450 mm (32" – 57")
Repeat length (MIRAFLEX <sup>™</sup> M)	max. 800 mm (31")
Repeat length (MIRAFLEX <sup>™</sup> L)	max. 1130 mm (44.5")
Press speed	max. 400/500/600 m/min. (1300/1650/2000 ft/min.)



EASY-COL: Color matching on the MIRAFLEX<sup>™</sup>

# Extrusion, Printing, Converting

## Shape the future together



W&H headquarters in Germany

Windmüller & Hölscher is an international leader in machinery for the production and converting of flexible packaging made from paper, plastic and laminates. Founded in 1869, W&H is a family company that stands for stability and quality.

Our product range includes high-performance machinery for extrusion, printing and converting. As a company operating worldwide, we offer our comprehensive solutions from one source, from consulting and engineering to the delivery of high-quality machinery to complete packaging lines.

Innovations from W&H continue to shape the market. We create optimal solutions for manufacturing packaging that are specific to the individual needs of each of our customers. Our impetus: "Passion for Innovation".

MIRAFLEX, EASY-COL, EASY-REG, EASY-SET, PROCONTROL and TURBOCLEAN are pending or registered trade marks of Windmüller & Hölscher KG registered in certain countries.

Stated information and pictures are for the sole purpose of general product description without specific guarantees. Binding information, especially relative to output and suitability of the product to specific applications can be made available solely in conjunction with specific inquiries. A portion of the described offerings requires an extra cost.

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**WINDMÜLLER & HÖLSCHER**  
PASSION FOR INNOVATION