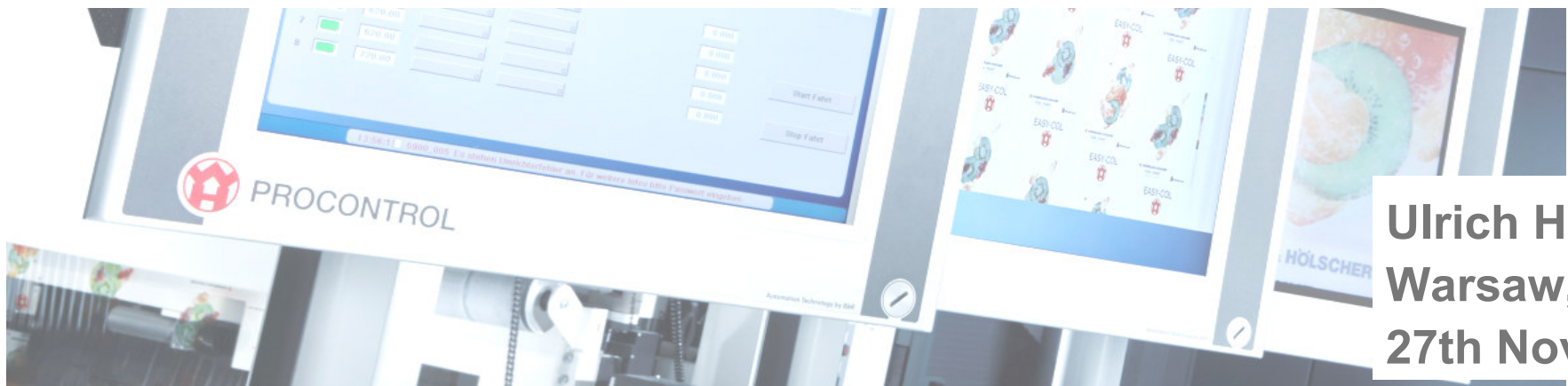




Image-To-Print Printing Technology and Innovation Days



Your supplier for rotogravure and flexo printing, extrusion and converting equipment



**Ulrich Harte,
Warsaw,
27th Nov. 13**



WINDMÖLLER & HÖLSCHER



WINDMÖLLER & HÖLSCHER at a glance

- World market leader offering sophisticated solutions for flexible packaging - extrusion, printing, conversion
- More than 50 different machine types
- About € 500 million worth of sales in the W&H group world wide
- 2000 employees at 16 locations
- Headquarters in Lengerich
- Founded: 1869
- Legal form: Limited partnership



WINDMÖLLER & HÖLSCHER

Steady growth of packaging markets



in Bill. US \$

Market volume will
double in 20 years.



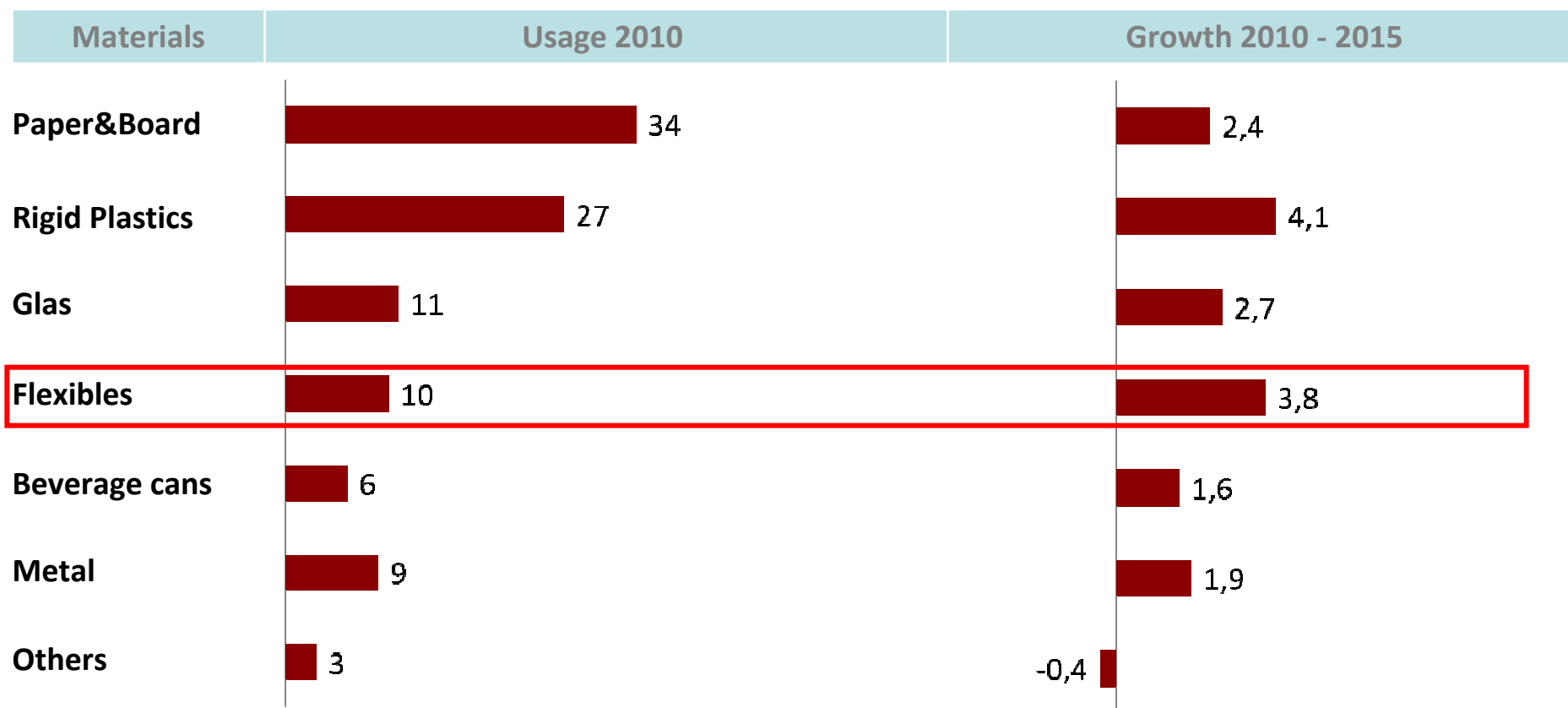
Quelle: Pira International



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Global market for packaging

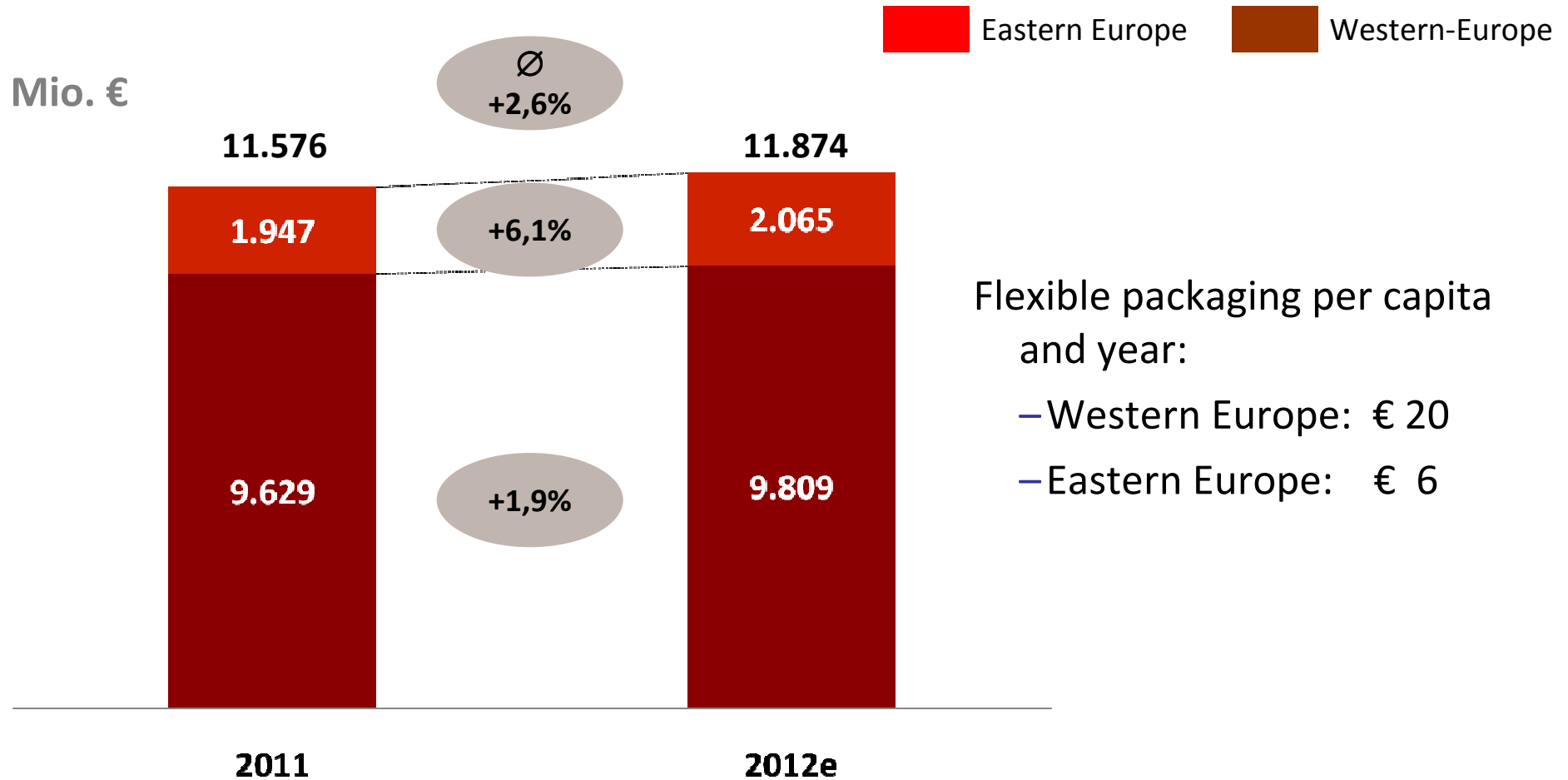
Total 395 Bill. US\$, in %, 2010



Quelle: Pira International



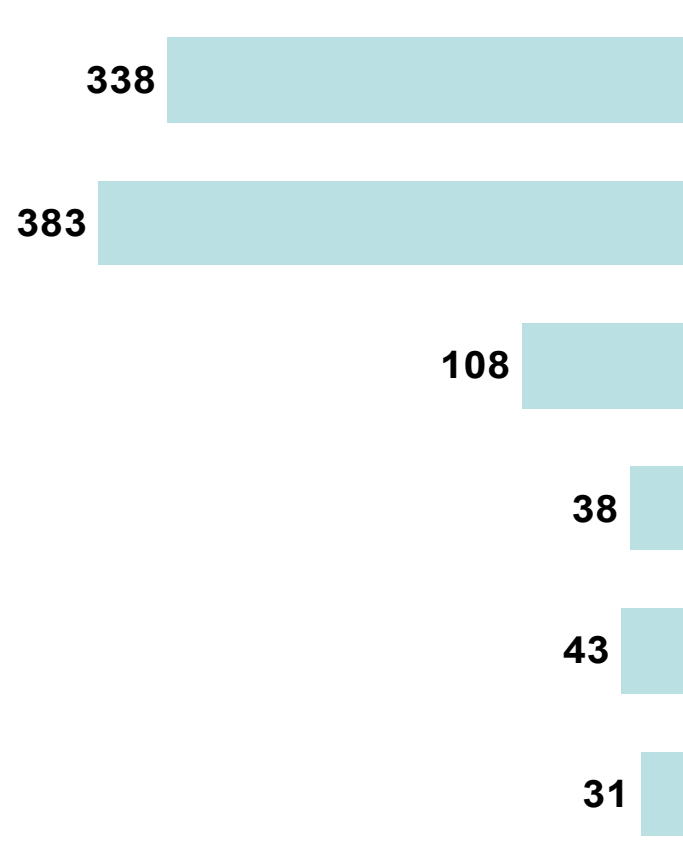
European market for flexible packaging 2011-2012





Per capita consumption of packaging material

In US \$ per head (2011)



Region

Western Europe

North America

Eastern Europe

Latin America

Asia / Pacific Region*

Africa & Middle East

Population in m

Potential for packaging in Eastern / Middle Europe, in particular for flexibles

40

330

580

3800

1190

Source: Pira International



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Our extrusion program



VAREX (blown film)



FILMATIC (winders)



FILMEX (cast film)



WINDMÖLLER & HÖLSCHER

EXTRUSION | PRINTING | CONVERTING

Two printing processes for flexible packaging



Flexo



VISTAFLEX



NOVOFLEX



MIRAFLEX

Rotogravure



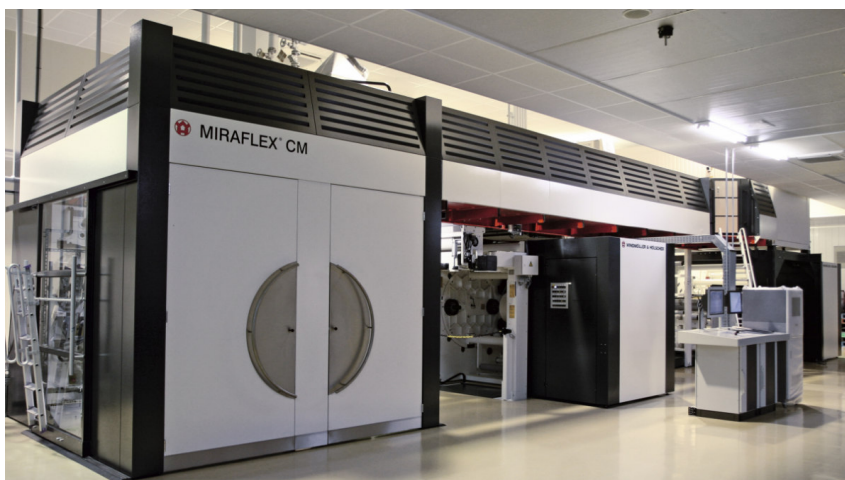
HELIOSTAR



WINDMÖLLER & HÖLSCHER

EXTRUSION | PRINTING | CONVERTING

Our CI-flexo press portfolio



**280 MIRAFLEX-
sold in 5 1/2 years**



WINDMÖLLER & HÖLSCHER

The new MIRAFLEX S

Technical data:

- 8- color decks
- Max. 300m/min.
- Printing width: 650mm or 820mm
- Repeat: 250mm - 800mm

New Press:

MIRAFLEX S



WINDMÖLLER & HÖLSCHER

W&H offers a wide rotogravure program, to ...



... fulfill all customer needs

... be successful in all markets



Acc. today's inquiries we are concentrating on
HELIOSTAR SL and SH, ...

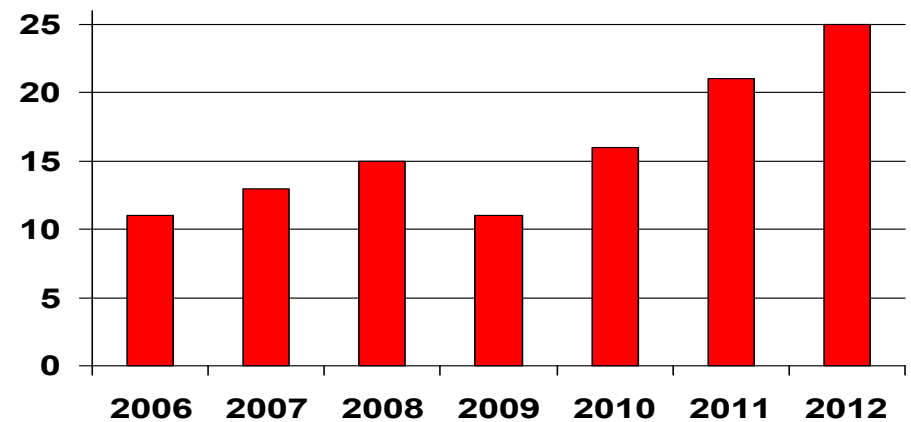


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HELIOSTAR – A continuous growth story



- W&H rotogravure press for all packaging applications
- Suitable for emerging and developed markets



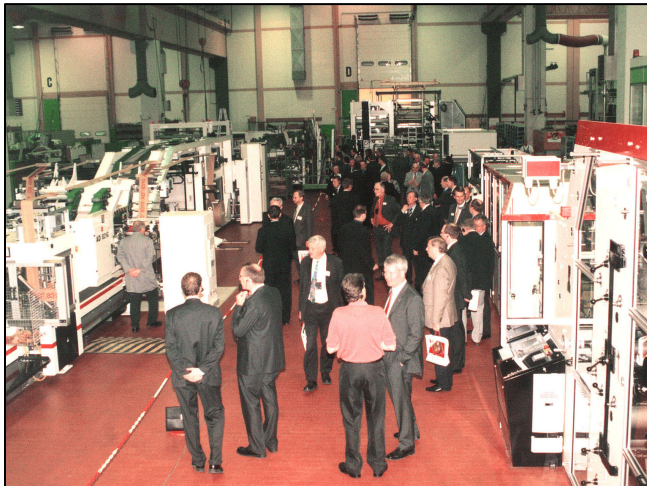
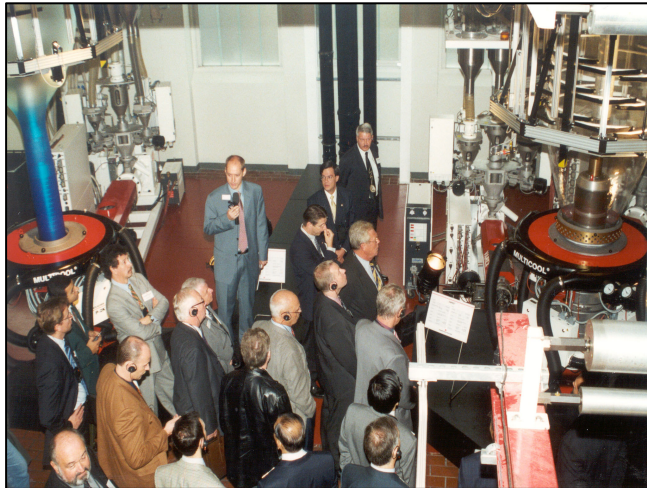
WINDMÖLLER & HÖLSCHER



W&H printing technology center

The latest engineering and system technology presented at the 5,000 m² W&H technology center

- Demonstration / tests for customers
- Training
- Application development
- R&D



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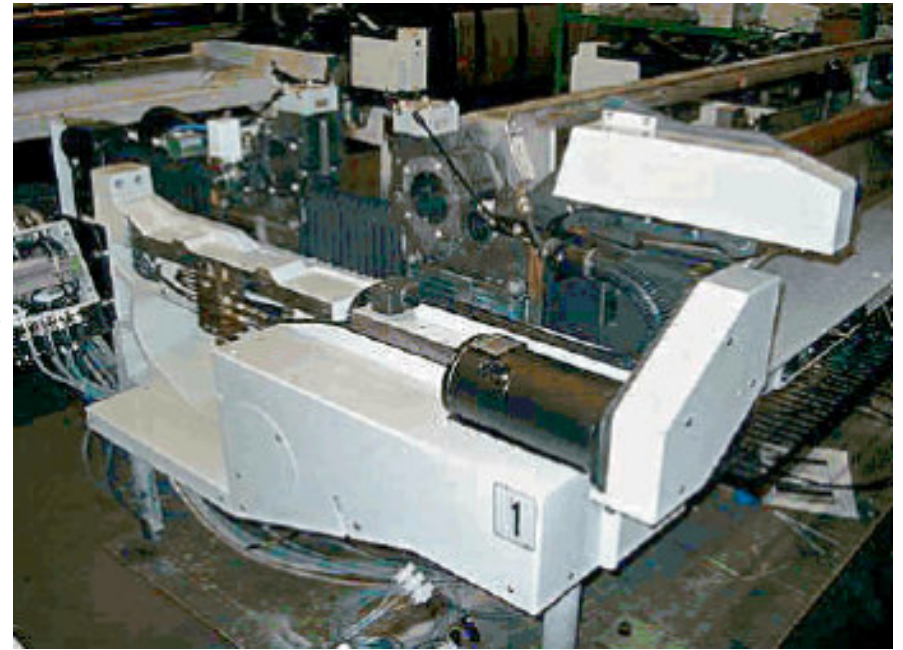
W&H service and customer's support

- 24-hour IDC and hotline service world-wide
- W&H Teleservice / Remote Service
- Comprehensive spare parts store
- Training of our customers' operators and maintenance personnel
- Start-up and application support
- Production support
- Preventive maintenance service agreements



WINDMÖLLER & HÖLSCHER

Retrofit solutions: Longterm support by upgrades



- Exchange of SPS, printing decks, controls, drive technique, ...
- Individual solutions on customers request



Przedstawiciele WINDMÖLLER & HÖLSCHER w Polsce

Przemysław Lubryczyński

Kierownik Sprzedaży, od ponad 5 lat, z sukcesami, reprezentuje firmę W&H w Polsce.

Absolwent Studiów Menadżerskich, Wydziału Zarządzania Uniwersytetu Warszawskiego.



Marcin Tokłowicz

od 1 października 2013r. pracownik działu sprzedaży w firmie W&H.

Absolwent Politechniki Łódzkiej, Wydziału Mechanicznego, na kierunku: Mechanika i Budowa Maszyn, spec. Technika i Handel.



WINDMÖLLER & HÖLSCHER

Besides technology, profitability ...
... W&H is concentrating on sustainability



W&H will focus on:

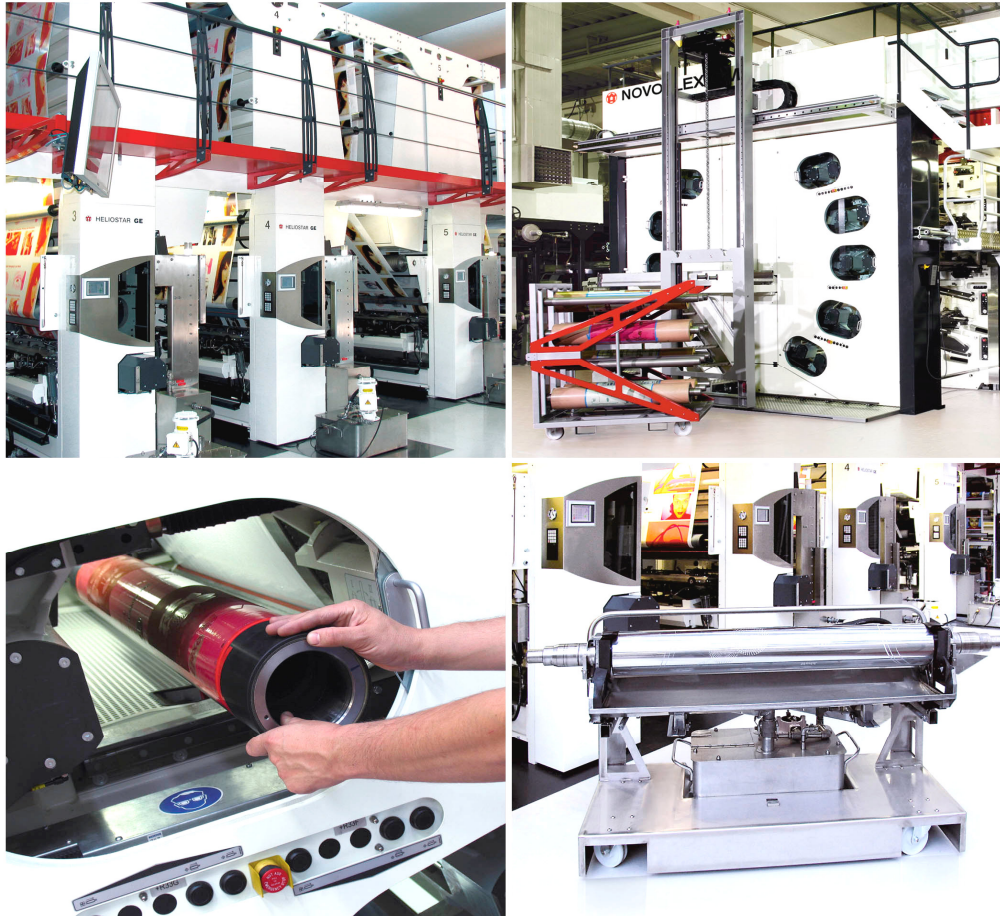


W&H will continue saving energy, reducing
emissions and protecting our environment.



WINDMÖLLER & HÖLSCHER

Image-To-Print Printing Technology and Innovation Days



Still challenging to keep
ahead in our world of
flexible package printing!

Thank you for
your attention!



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