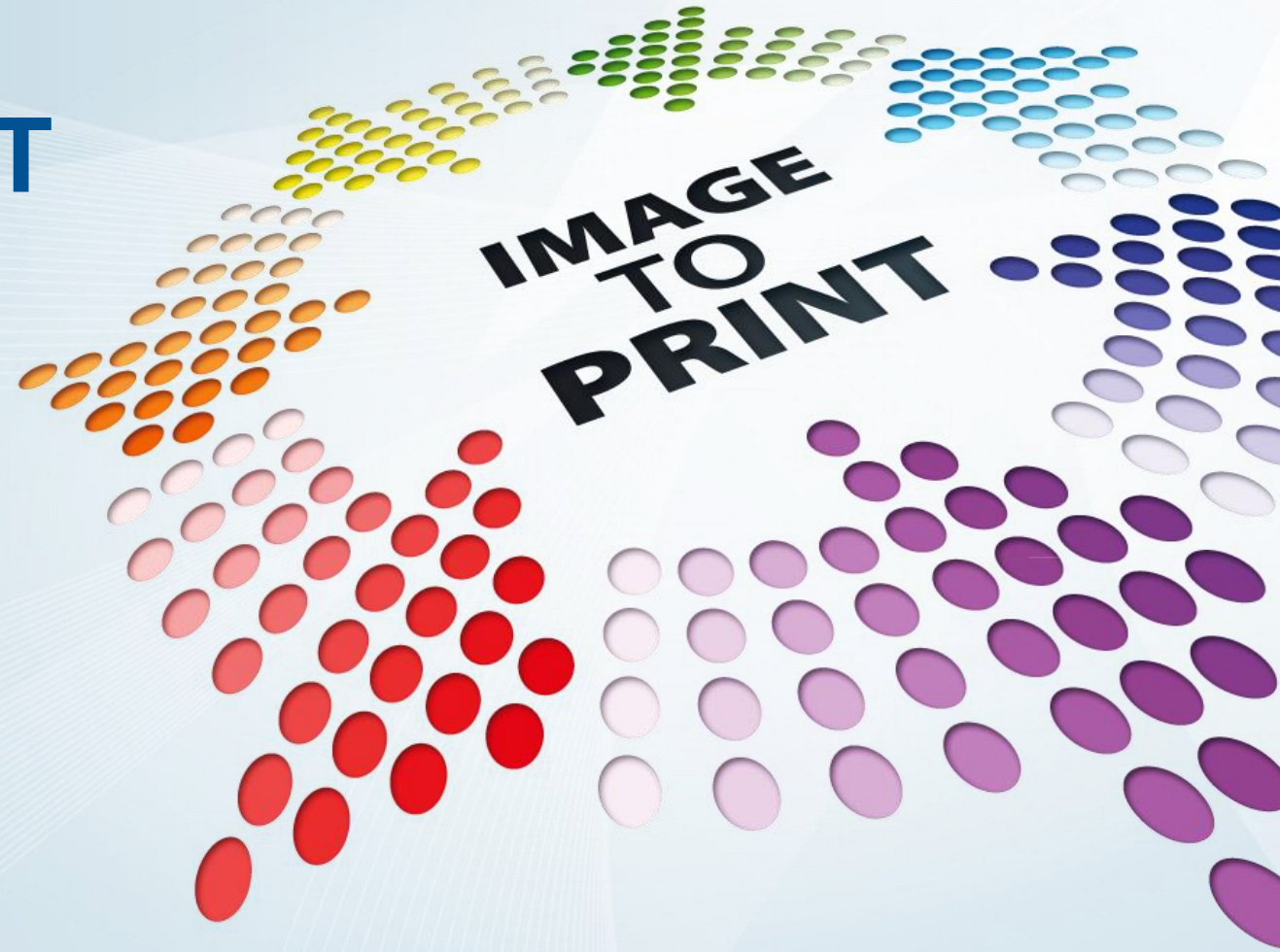


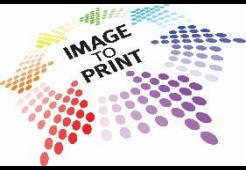
# COMMON STATEMENT OF THE IMAGE TO PRINT PARTNERS

October 20th, 2023 - Philippines

**PRINTING TECHNOLOGY  
AND INNOVATION DAYS  
FOR FLEXIBLE PACKAGING**



« we as partners want to share our thoughts, together with you, our customers, to contribute all together to overall improvements to our industry... »



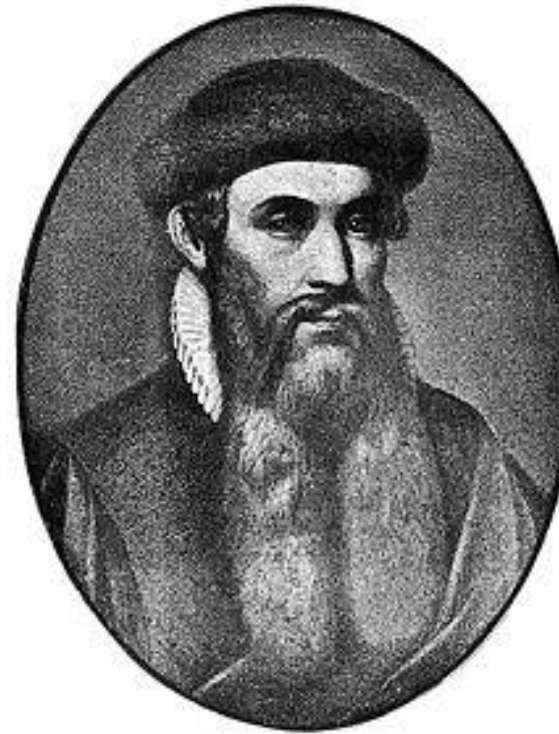


The World is changing...  
and **so do we!**

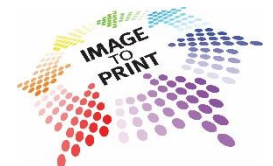


**Printing** exists  
since more than 500 years...

**Printing** has been  
a major factor  
for changes in this world...



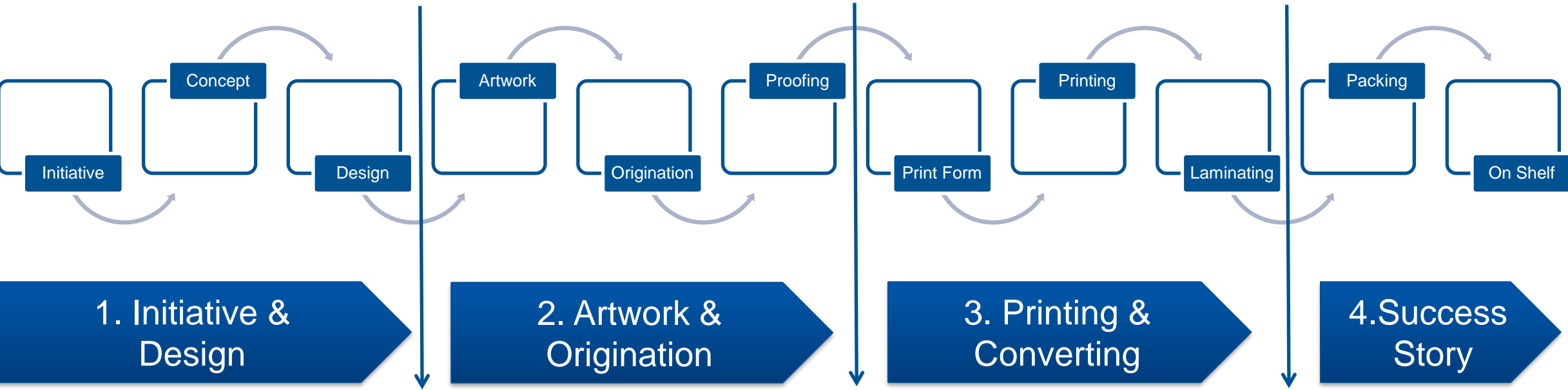
Johannes Gutenberg  
1408 - 1468



**We don't want to look back 500 years –  
but what has changed in our Industry over the past Years?**



# THE GRAPHIC SUPPLY CHAIN – the Entire Process has to be Environmental-friendly





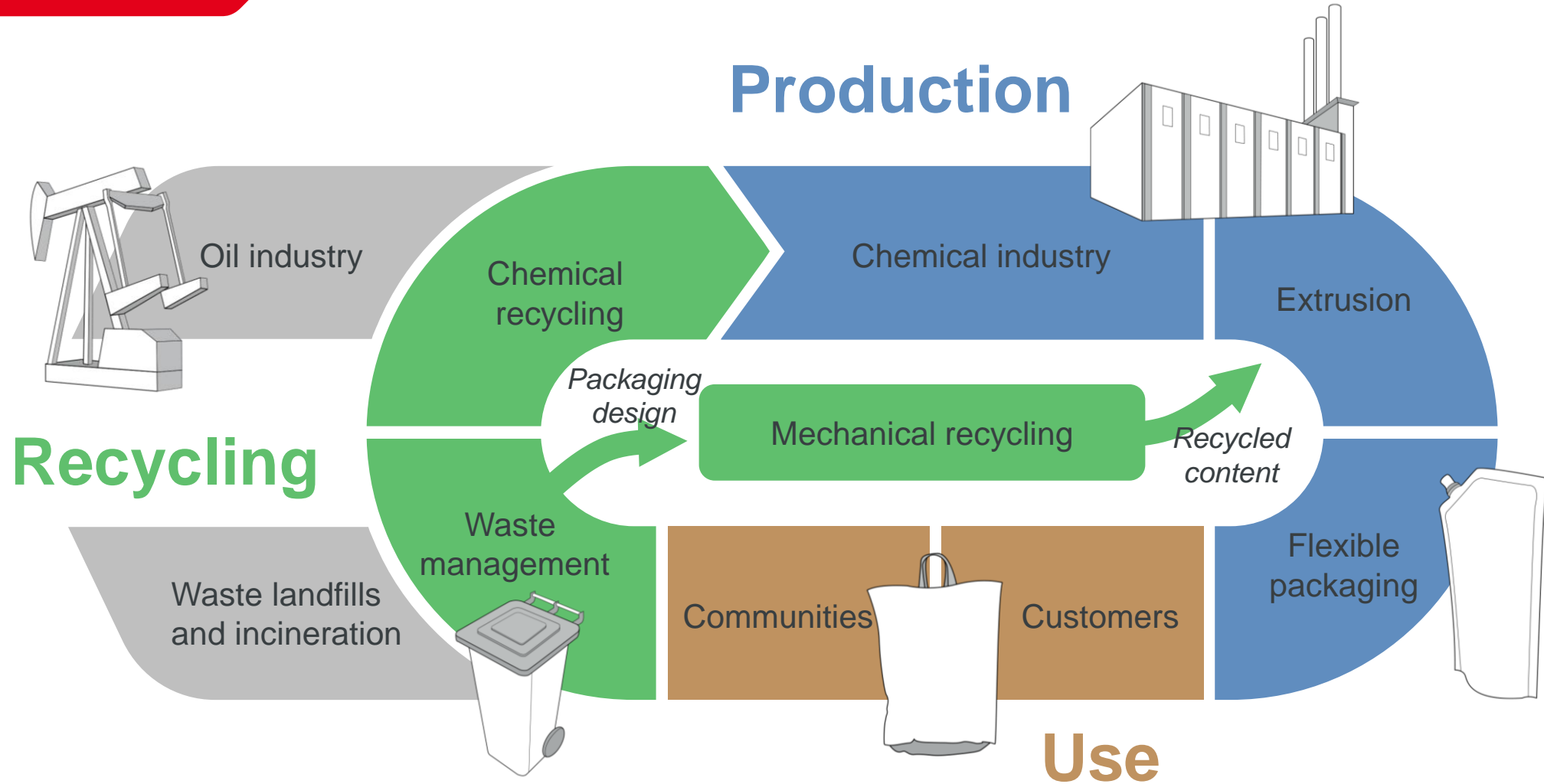


# YOUR HOST



**WINDMÖLLER & HÖLSCHER**

# Our goal: A circular economy in which resources are used for as long as possible





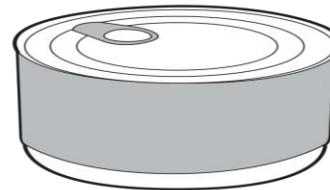
# Defying its Reputation: Flexible Packaging from Plastic is Exceptionally Efficient

How much of a product can be protected in 1 kg of packaging?

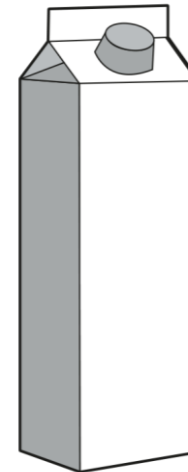
**1.7 kg**  
in glass



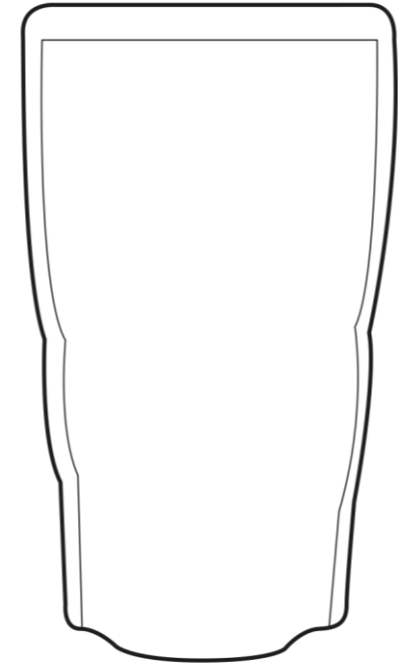
**8.4 kg**  
in a tin



**23 kg**  
in a carton



**56 kg**  
in a pouch



Quelle: Berndt+Partner

# Example: The ALL-PE Stand-up Pouch: 100% Recyclable – Produced with W&H Technology

Easy to handle

Weights 9 grams

All PE substrate

135 µm thick (0.135 mm)

Protects up to 500g of valuable product

- ✓ Made from one material
- ✓ Very good protective properties
- ✓ Extends shelf life
- ✓ Compact to transport



Easy ✓

100% recyclable ✓

Secure ✓

Minimal CO<sub>2</sub> Footprint ✓

# W&H Technologies Developed with Sustainability in Focus

## Innovations for more Sustainable **Packaging**



Paper-based packaging



Post-consumer recycled materials



MDO-PE Mono-materials

## Innovations for Resource-Efficient **Production**



Blown film



Flexo printing



Cast film



Gravure printing





# YOUR HOST

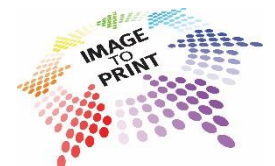
**janoschka**

# Reduced Colors...

- **Smart Color Separations** and pre-calculating of ink consumption help us to make the process more accurate, leaner and more efficient.



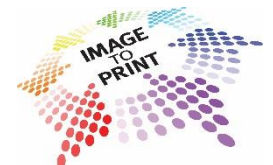
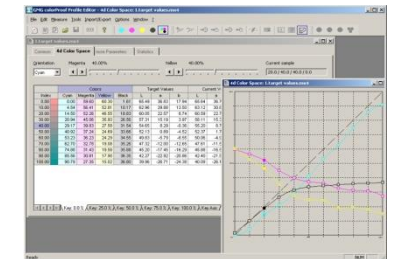
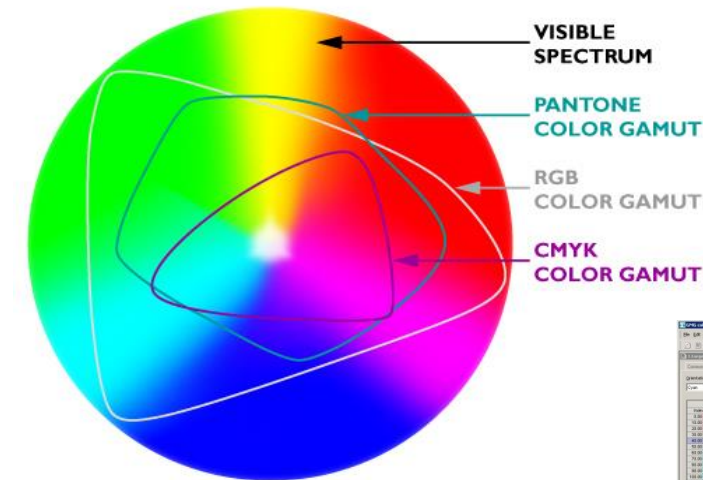
Surface and Volume calculation			in repro surface calculation	
total colors: 8			in %	in sq.mm
1	Black		5.5%	1,695.9
2	Dark Blue P C		9.4%	2,864.6
3	Green P 354 C		20.9%	6,405.5
4	Red P 485 C		13.4%	4,108.1
5	Cyan		0.9%	282.6
6	Magenta		5.0%	1,515.8
7	Yellow		22.4%	6,863.8
8	White		93.7%	28,671.9
total coverage			171.2%	52,408.2



## Pre-Press Developments

By applying **PCM** (Print Color Management) in the pre-press stage, color matching times on press have been reduced significantly.

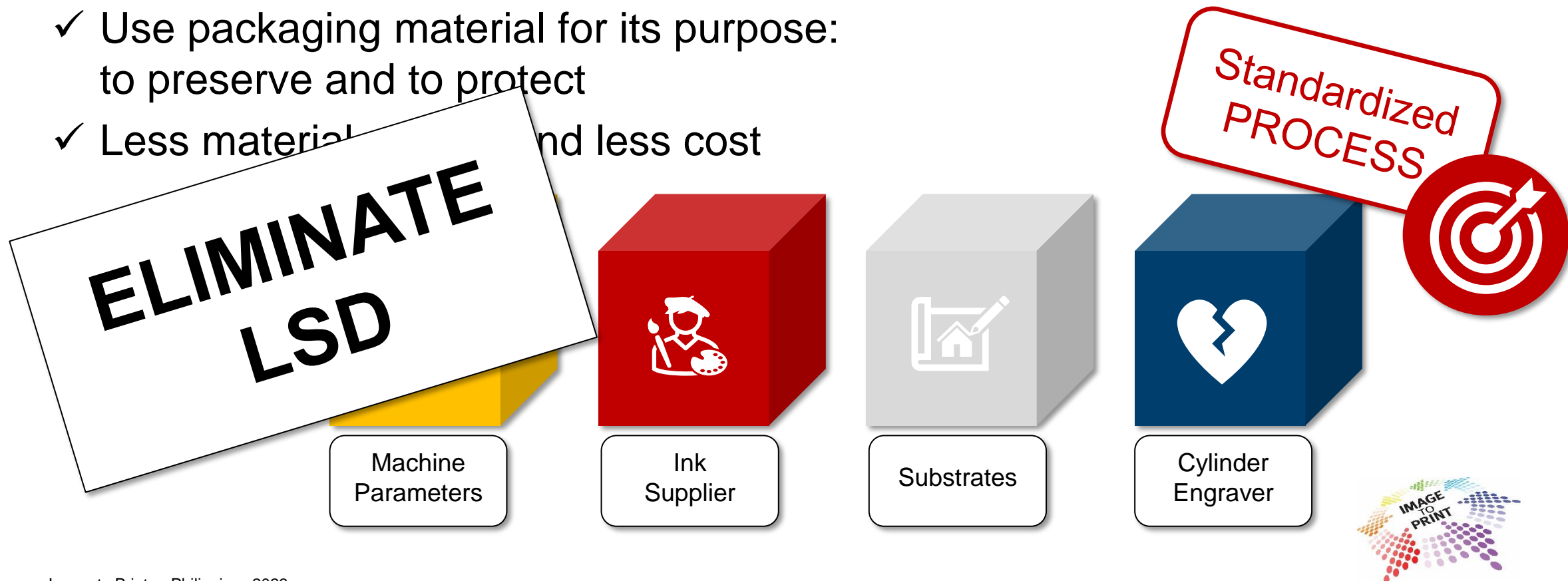
This means less **waste** and less **cost**!





## Setting New Standards...

- ✓ by implementing **standards** and a process-controlled workflow measuring densities and values will enable us to eliminate LSD's.
- ✓ Use packaging material for its purpose: to preserve and to protect
- ✓ Less material and less cost





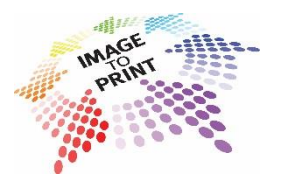
# YOUR HOST



**SIEGWERK**



2025



1

## Operations and Supply Chain

Achieve carbon neutral **scope 1 & 2** emissions globally

100% **suppliers** committed to the principles of the **UN Global Compact**

2

## Product Safety and Responsibility

Establish **product environmental footprint** data for 100% of products

Be the trendsetter for safest inks and coatings by proactively improving our own products and setting new industry standards in **consumer and environmental safety**

3

## Circular Economy

75% of all **products or services sold** enable the reducing, reusing or recycling of packaging

4

## People and Communities

Double female **gender representation** at executive level

Achieve **Total Incident Rate (TIR)** < 1.0



# We are the trendsetter for safest inks and coatings



## Voluntary Commitment



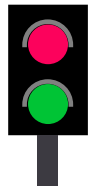
### Siegwerk Exclusion Policy

Self commitment based on EuPIA Exclusion Policy and applying the principles on global level



### Foresighted adaptation

Continuous improvement of raw material portfolio regarding consumer, occupational **and environmental safety**



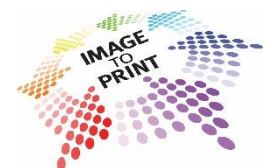
### PSR Management System

Rigid raw material selection and globally coordinated approval processes to safeguard legal and brand owner compliance result in global benchmark for the composition of inks and coatings



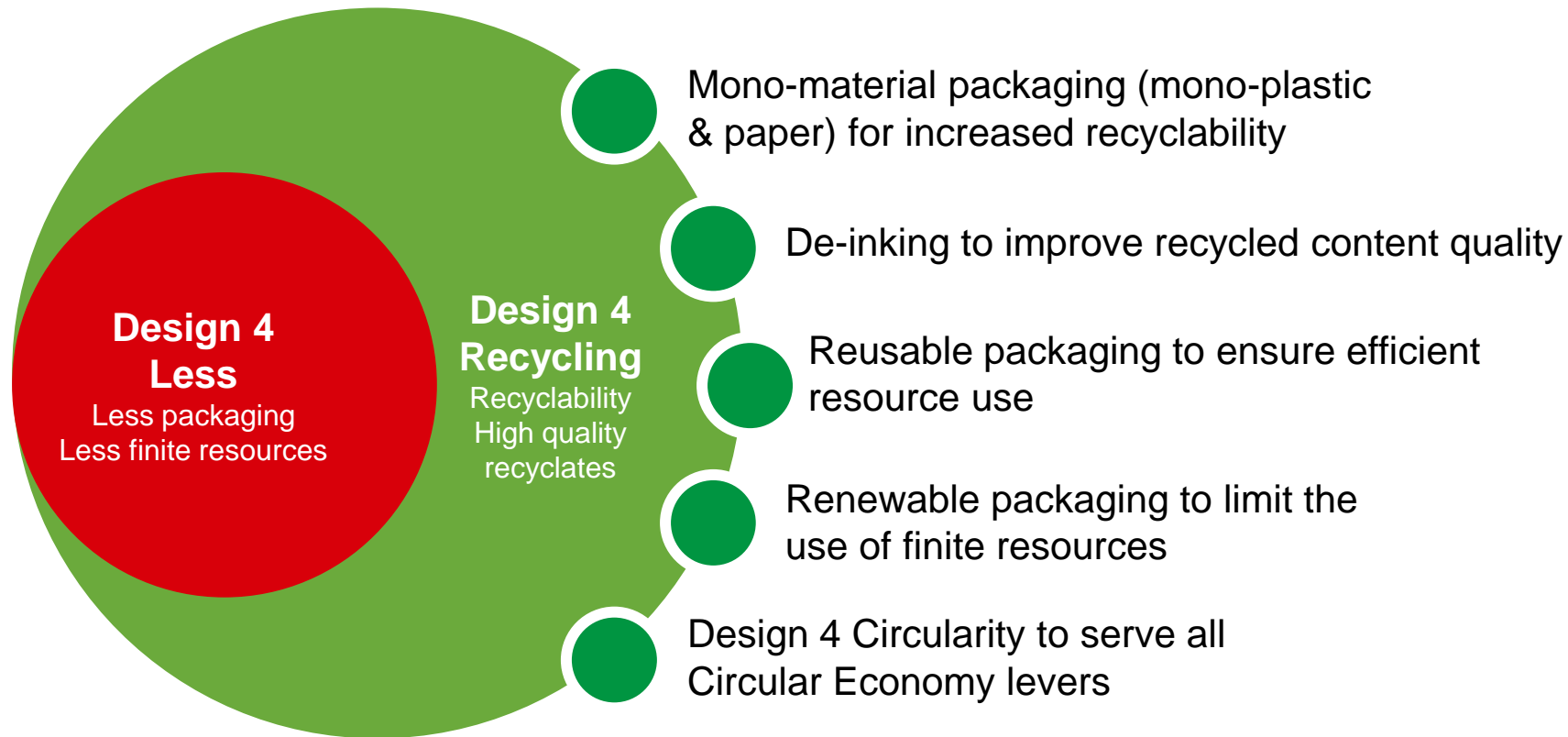
### Transparency

Proactive communication about relevant product related information down the supply chain to support compliance management and sustainability ambitions via product environmental data as well as provision of expert knowledge via the openly accessible Ink Safety Portal

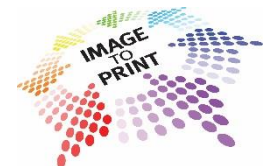


## CE at Siegwerk: Inks and coatings are enabling circular packaging solutions

75% of all products or services sold enable reducing, reusing, or recycling of packaging



**Achieving a circular packaging industry is not a single path route**



# Value chain collaboration to achieve sustainable packaging

We see the **collaboration** along packaging value chain as a key success factor





# YOUR HOST



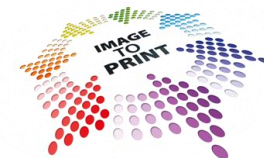
**Daetwyler**  
SwissTec

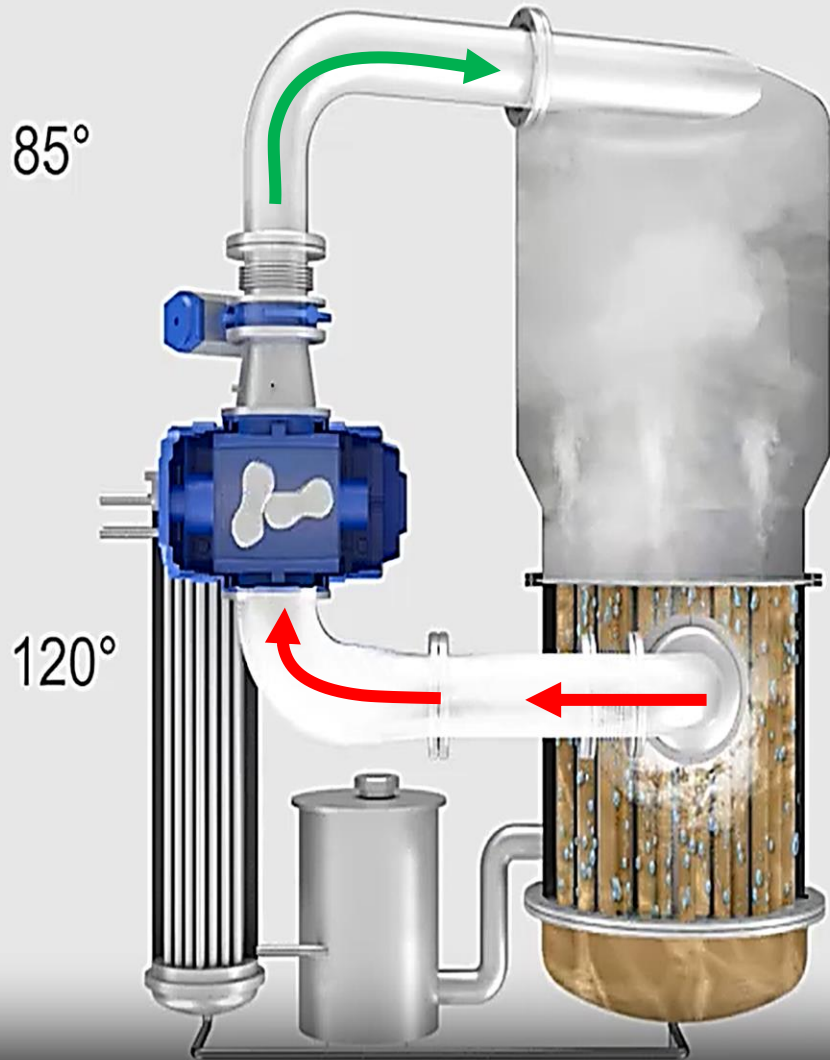




## Sustainability & Responsibility

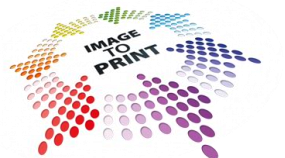
- Health and Safety of our employees
- Usage and handling of chemical products
- Treatment of all industrial waste
- Optimise supply chains
- Clear and transparent reporting





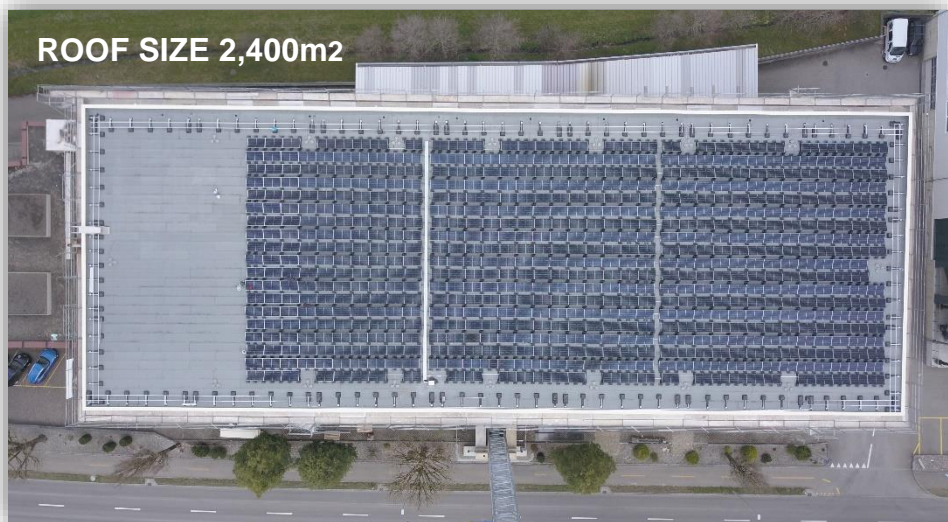
## Vacuum Distillation Systems

- Water is one of the most precious resources on earth
- Preserving water with our wastewater treatment facilities
- Industrial wastewater is 95% water with only 5% impurities
- Our vacuum evaporator separates impurities and returns the water to our production





**212,000 Kwh Annually**

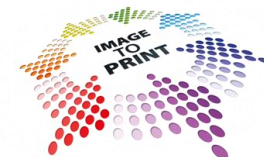


## Sustainable energy generation systems

- Daetwylers philosophy is to invest in renewable energy sources
- Noticeable reduction in energy costs
- Roofing replaced at Daetwyler, Ursenbach in recent renovation
- Lighting replaced with energy efficient LED



**Power for 1000 Households/ 1 Month**



# How we can help you with our Technical Services



Improving your printing process

Sustainable energy systems

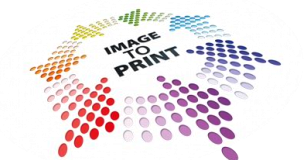
Cost reductions

Best practices in reduction of waste

Our commitment and ongoing services to our customers

Help minimize the impact of waste

In conclusion, our company is committed to a future where sustainability is not just an approach, but the core of our business model. We believe that the path to long-term success lies in balancing economic growth with ecological integrity and social equity.







# YOUR HOST



## What is Sustainability?



Sustainability is a complex concept - The most often quoted definition is “**sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.**”

I would define Sustainability in the most simplest terms - **Sustainability is about our children and our grandchildren, and the world we will leave them with !!!!**

At Rossini we take this very seriously while developing new Products

**Here's how.....**





# WE PRODUCE SLEEVES & ROLLERS CLOSE TO OUR CUSTOMERS: LESS TRANSPORT COSTS - BETTER SERVICE



## COMPANY FOUNDATION YEAR

Milano Italia  
Milano Quartiere Barona  
*Milano Rescaldina HEADQUARTER*  
*Mechernich Germania*  
*L'Aquila Italia*  
*Cambridge UK*  
*Buford Atlanta USA*  
*Illfurth France*  
*Cabrera de Mar Spain*  
*Shenzen China*  
*San Paolo Brasil*  
*Atlanta Georgia USA*  
*Timisoara Romania*  
*Pune India*



## Sales offices



Rossini  
UK Ltd.



Rossini  
France



Rossini  
GmbH



Rossini Erminio  
Printing Rollers  
(Shenzhen) Co., Ltd.

## Production facilities



**Rossini World**



 Rossini S.p.A.  
HeadQuarters



 Rossini S.p.A.  
L'Aquila



 Rossini  
Spain



 Rossini India Printing  
Rollers Pvt. Ltd.



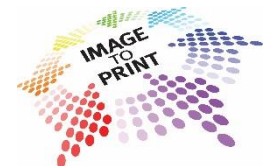
 Rossini North  
America, LLC



 Rossini Sleeve  
Technologies



 Rossini  
Do Brasil



# INNOVATIVE PRODUCTS WITH **LONGER LIFETIME,** **HIGHER SAFETY AND LESS CONSUMPTION**



## ROSSINI

**Evolution**  
System  
Automatic cleaning system  
for Flexo central impression drum

ROSSINI

**SAFETY**  
Automatic CI drum  
cleaner (Flexo)

**Starcoat**  
Flexo Sleeve  
Rivestimento antistatico ad alta stabilità  
per utilizzo con biadesivi ammortizzanti

ROSSINI

**LONG LIFETIME**  
3 years warranty

**Esa Red**  
**SPEEDWEL** Sleeve  
Unico rivestimento certificato al mondo  
antideflagrante per stampa film plastici e carta

ROSSINI

**SAFETY**  
ESAsleeve with  
ATEX-certificate without  
carbon black (Gravure)

**Polycoat**  
**SPEEDWEL** Sleeve  
Rivestimento specifico per spalmatura  
colle bicomponenti senza solvente

ROSSINI

**REDUCED MATERIAL  
CONSUMPTION:**  
Less glue required  
in SL-lamination)





## SLEEVES & ROLLERS: **SUSTAINABILITY & LESS IMPACT ON CARBON FOOTPRINT**



**ROSSINI**

HIGH-QUALITY  
SLEEVES



STABLE PRINTING QUALITY & LESS WASTE  
ALL PRODUCTS DESIGNED FOR LONG USE,  
SAVING RESSOURCES

IMPROVED  
FORMULAS



RUBBER COMPOUNDS CERTIFIED FOR CONTACT  
WITH FOOD AND FOR MAXIMUM SAFETY

TAYLOR-MADE  
MACHINERY



WASTE REDUCTION & PROCESS CONTROL  
IN OUR PRODUCTION FACILITIES





### **WORLDWIDE SOCIAL SUSTAINABILITY**

- An Italian business model with Global Presence in different location & close to the local traditions we aim to fully embed sustainability into the core of our business.

This approach manifests itself throughout our operations in six focus areas, which we explore in our sustainability report:

- Governance and Ethics
- Product Responsibility
- Environment
- Customers and Suppliers
- Our People
- Communities





# YOUR HOST



# SUSTAINABILITY

## PRODUCTS



SL LAMINATION



HIGH EFFICIENCY OVENS



Triplex One Shot



ALTERNATIVES TO ALUFOIL

## TECHNOLOGIES

- SL LAMINATION (zero emissions).
- High Efficiency Electric Cabinets.
- Air Circulation Systems.
- R&D in Teams to reduce film thicknesses.
- R&D projects to reduce adhesive consumption.
- R&D projects on curing time reduction.
- Laser integration to open to paper in flexible packaging.
- Technologies for recyclability and compostability





## ENGLISH Version

### **Innovative mono-material, fully recyclable structure for flexible packaging applications**

NORDMECCANICA IN COOPERATION WITH PARMA UNIVERSITY AND A SELECTED GROUP OF QUALIFIED TECHNICAL PARTNERS LAUNCHED AN R&D PROJECT NAMED REMOPACK (RECYCLABLE MONO-MATERIAL FOR PACKAGING)

**T**he project will require a significant investment over the 3 years planned duration. To confirm the importance of the topic and the attention of the political authorities to the matter the project has been awarded a not-repayable financing from the Italian Ministry of Economic Development.

Target of the project will be the development of a mono-material high barrier fully recyclable flexible packaging structure. With the term mono-material is indicated a laminated compound made from layers of films manufactured out of the same

base polymer. Current guidelines indicate the minimum percentage to qualify for mono-material in a range from 80 to 90%, variable country by country. Being the remaining percentage a tolerated amount of not-recyclable components.

The final target of the project is a laminated structure made of multiple film layers, all layers made of the same fully recyclable polymer. The structure through the combined contribution of lamination completed with the use of fully recyclable adhesives, barrier coatings, AlOx deposition in a vacuum metallizer, and technologies develo-

ped to emend the typical AlOx layer fragility will have to achieve very high mechanical and barrier properties to comply with the increased demand of performances recorded for flexible packaging. The target mono-material percentage for the project is to be as close as possible for the entire laminated compound to fully recyclable.

The innovation consists in pushing recyclability to the extreme while providing a process cost competitive with traditional

technologies.

The development of the project will require the contribution of many high-level partners. All of them leading their specific market segment. Managing an R&D group of this complexity targeting highly innovative results requires extended expertise and significant technical knowledge. Nordmeccanica has been approved by public authorities in the leading role in recognition of the achievements reached in previous R&D



**32 CONVERTER** Flessibili - Carta - Cartone



[Home](#) › [News](#) › [Coating / laminating](#) › Nordmeccanica and megapak: Innovative duplex coating machine for LEIPA in Bavaria

Nordmeccanica and megapak

## Innovative duplex coating machine for LEIPA in Bavaria

28.06.2023 After intensive groundwork, Timo Mischler, Director Operations of Leipa Flexibles, Vincenzo Cerciello, Vice President & Technical Director of Nordmeccanica and Mike Schätzler, CEO of megapak (Hilden, Germany), are pleased about the successful launch for an exceptional and complex coating and laminating machine from Nordmeccanica (Piacenza, Italy) for the LEIPA site in Schrobenhausen, Bavaria.



megapak GmbH &amp; Co KG



© Photo: megapak

The three team leaders of the participating companies LEIPA, Nordmeccanica and megapak (centre: Timo Mischler, Director Operations of Leipa Flexibles, right: Vincenzo Cerciello, Vice President & Technical Director of Nordmeccanica, and left: Mike Schätzler CEO of megapak).

### Read more

[Nordmeccanica, Dow and Enercon](#)[New technical paper on solventless laminating best practices](#)[Nordmeccanica](#)[Online presentation of Triplex laminator](#)[Nordmeccanica](#)[Launch of new solventless lamination solution](#)[YOUR COMPANY ENTRY AT](#)[COATING-CONVERTING.COM](#)



and that's what  
**IMAGE TO PRINT**  
stands for.

