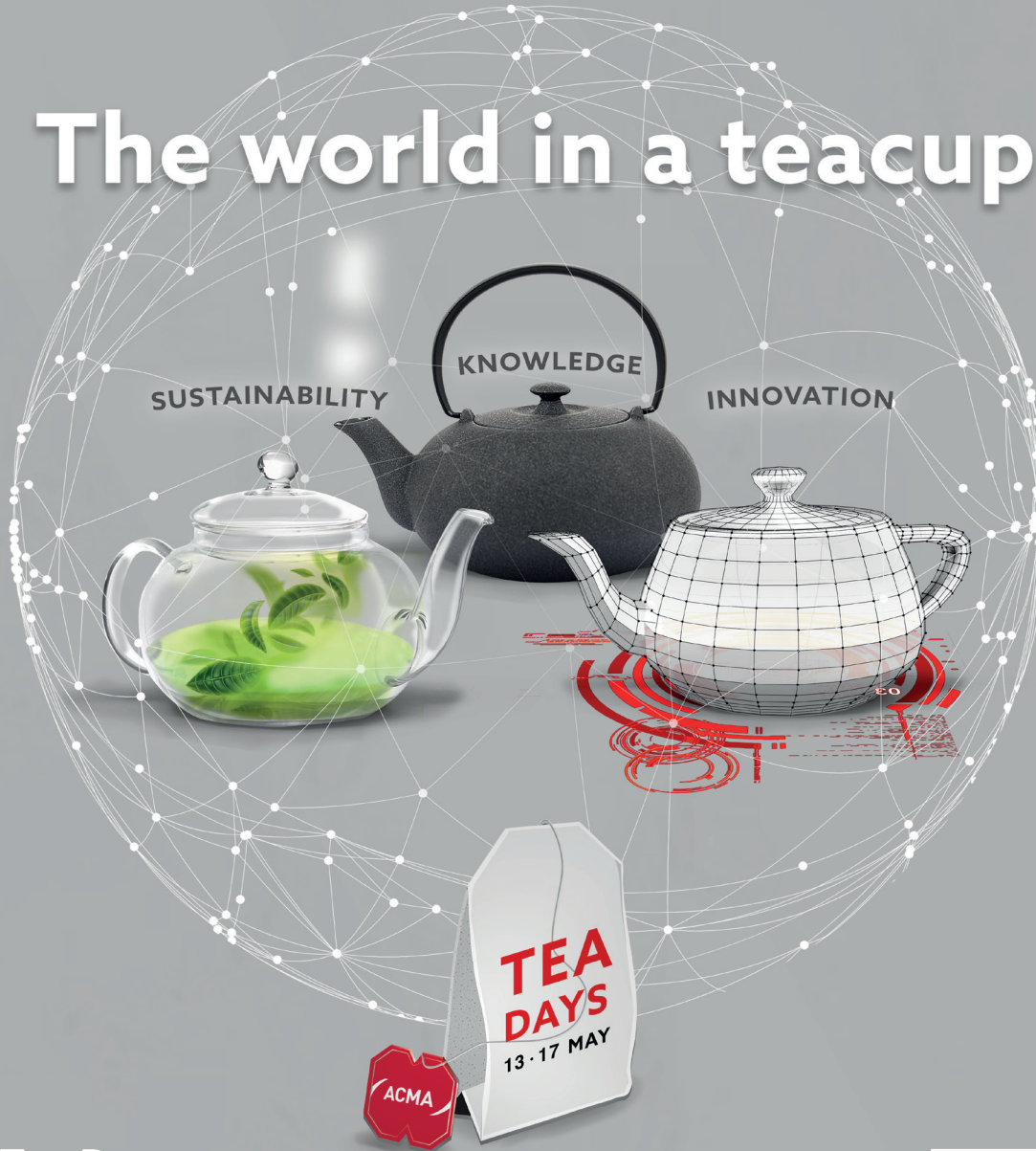


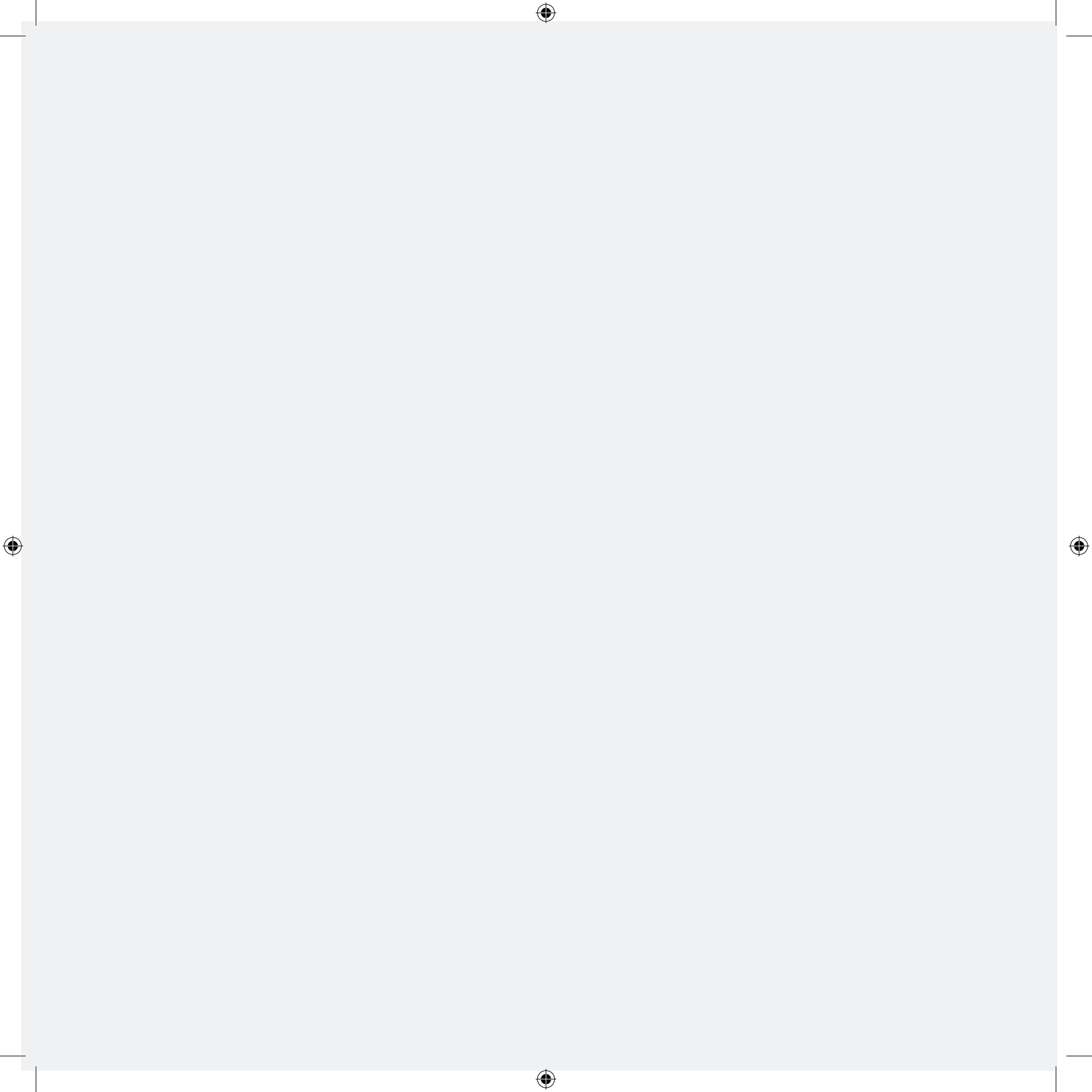
# The world in a teacup



ACMA Tea Days  
Bologna, Italy  
May 13<sup>th</sup> - 17<sup>th</sup> 2019



a coesia company





a coesia company

**ACMA** is a leading international manufacturer of packaging machines in the consumer goods market.

ACMA designs and manufactures automatic packaging machines for a range of sectors, including:

- **Confectionery**  
(chocolate, bakery, candies and gums)
- **Tea and coffee**
- **Detergents and soaps**  
(liquids, powders and bars)

**ACMA is part of COESIA,**  
a group of innovation-based industrial and packaging solutions companies operating globally, headquartered in Bologna, Italy.



**95%**  
MACHINES  
EXPORTED



OVER **250**  
EMPLOYEES



**1000**  
MACHINES  
IN 10 YEARS



**7%**  
OF SALES  
IN R&D



**5**  
MARKET  
SEGMENTS



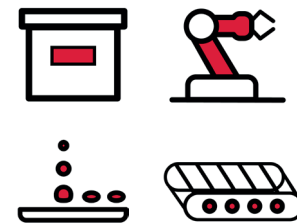
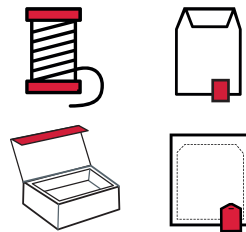
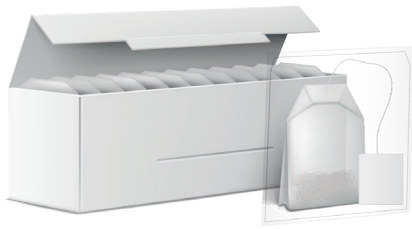
**7**  
TECHNOLOGIES

# ACMA TEA DAYS

From May 13<sup>th</sup> to 17<sup>th</sup>, ACMA is welcoming visitors for an **experience into the world of tea**, from its origins through its final packaging featuring **innovative and sustainable solutions**.

The journey of tea starts from Camellia Senensis, the tropical tea plant which grows in warm climate and goes through a long process of sourcing, harvesting

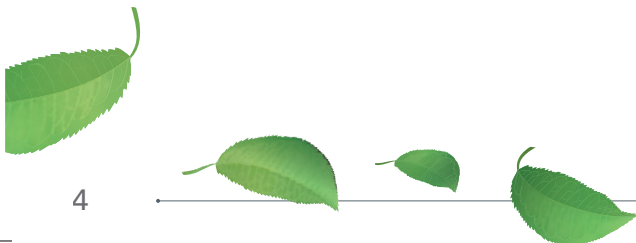
and treatment; but it's only through the perfect packaging that consumers can fully experience their teas.



The full ACMA portfolio for **Tea Bags Packing**

The main players in the industry: **filter paper, thread, tag, film and carton box producers**

The latest innovations in **robotic solutions, digital printing** and **luxury pack** together with our COESIA companies.





# A JOURNEY INTO THE WORLD OF TEA



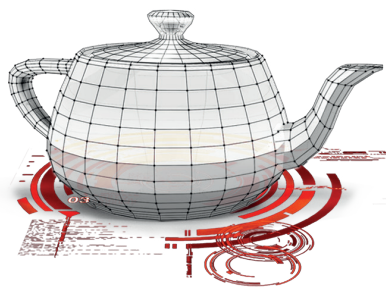
## SUSTAINABILITY

Consumers want to make **responsible and mindful choices** in their buy, wanting to know what's in their Teas and how it is produced with **transparency**. Learn the latest news in **sustainable materials to market conscious and green products**.



## KNOWLEDGE

Today Teas & Herbs products can satisfy every need and feeling, with brands offering personalized solutions to **bring the experience to a new level**: explore the latest solutions to stand out from the crowd and engage consumers!



## INNOVATION

Tea market showed a significant shift in **premium products**, with tea appealing also for its health and functional benefits. This increases pack requirements for protection and purity and quality control: discuss with us and our partners about it.

# ACMA SOLUTIONS FOR TEA

**ACMA enters the Tea sector in 2011**, when Tecnomeccanica - the historical brand dedicated to tea packaging solutions – joins the company.

**Today ACMA is able to offer a complete portfolio of Tea solutions:** from single to double chamber tea bags, including a variety of secondary packaging suited to meet the needs of most tea players worldwide.

**Each equipment is designed for maximum flexibility,** with the ability to run either with and without outer envelope, with automatic or manual carton box unit for multiple tea bag packaging.

**Additionally, ACMA can propose a wide range of different secondary packaging alternatives** such as tea bags into envelopes, in strips pre-cutted and counted (for single

chamber), pouching unit or microbox or sleeve box (for double chamber).

**None of ACMA tea bag machine uses metal staple or mylar for thread and tag attachment.** Bioweb is available to run on all our single chamber tea bag machines.





# TD 300

**The perfect solution for double chamber production, ensuring brand visibility and flexibility with envelope material**

**Production of double chamber tea bags** with no heatsealable filter paper and double knotting, no use of metal staple, resulting on an eco-friendly tea bag product

**Hard tag position** over the string for better brand visibility

**High precision video camera**, controlling each tea bag, with automatic rejection of faulty ones without entering into the stacking and boxing unit

**Continuous motion of the outer envelope unit** ensuring benefit in running low thickness material, no misalignment on the lateral sealing areas and without wrinkles



Double chamber



3 sides seal envelope



Pre-glued cartoning unit



Flat banks cartoning unit



Sleeve box



# TM 320

**The fastest single chamber machine available on the market for your tea bags production with string and tag**

**High speed production** thanks to the fully continuous operational cycle up to the cutting of the teabags

**Machine available in several bag sizes** suitable for different infusions projects

**Wide variety of end-of-line solutions**, combining speed and flexibility

**Capability in handling of biodegradable material**, resulting in reduction of filter paper while guaranteeing an eco-friendly product



Single chamber   3 sides seal envelope   4 sides seal envelope   Pre-glued cartoning unit   Flat banks cartoning unit   Bags in bag





# TE 500

**State-of-the-art for the high speed continuous motion tea machines to meet the market demand**

**Fully continuous motion machine** ensuring high speed production and maximum flexibility on different packaging configuration

**No use of adhesive label** to attach string and tag, resulting in reduced production costs

**Unique pouch solution** to pack up to 150 tea bags ensuring material and logistic saving

**Continuous motion of the outer envelope unit** ensuring benefit in running low thickness material, no misalignment on the lateral sealing areas and without wrinkles



Double chambre



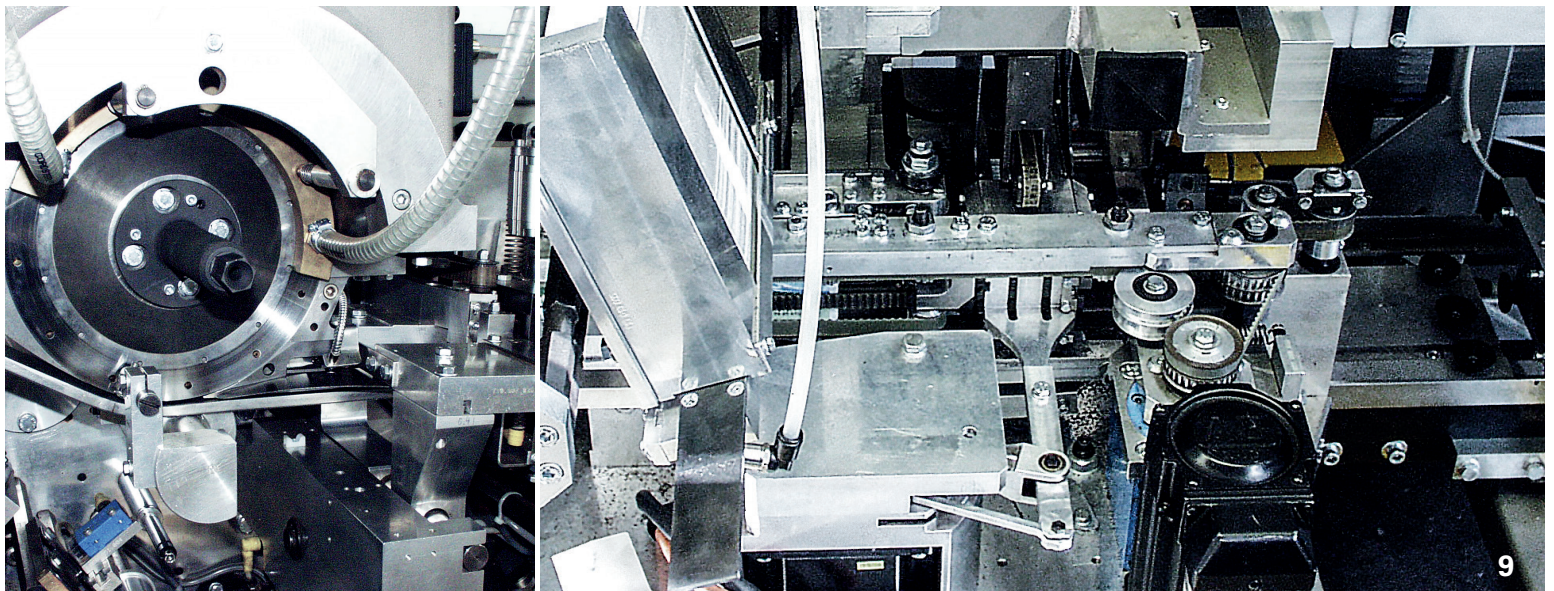
3 sides seal envelope



Flat banks cartoning unit



Pouch



# TEA DAYS PARTNERS

Learn about **Filter Paper trends**: from customization options to enhance your brand and consumer experience to more sustainable choices for eco-friendly teabags.

Today consumers want to know more about where their tea comes from and how it's packaged: learn how **Thread companies** are certifying their products for more organic tea bag sources.

Customers want to **feel special** and do not want to compromise when it comes to **quality**. Tag and envelope manufacturers are supporting brands in delivering customized items as well as protecting the ingredients of their blends, which are now more diverse than ever.

Special carton **tea boxes** allow players to fully express their brand's values and identity: discover how ACMA partners turn this into reality.



**CARTOTECNICA NALDI** was established 80 years ago in **Bologna**, the company has been working with Carton

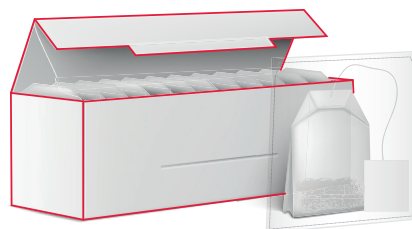
**boxes for packaging since its origins.** The mission is to provide customers with competence, know-how and

technical processing while always finding the best solution together.

CARTOTECNICA NALDI at



**Tea Days**



**Carton boxes**

Naldi will showcase different carton box solutions for Tea, with several closing possibilities and new type of finishing in order for the material to be printed digitally in-line or off-line.



**GLATFELTER (Composite Fibers Business Unit) is a global supplier & manufacturer of quality printing papers, specialty papers, & engineered paper products.** Glatfelter's high-quality, innovative and customizable solutions are found in tea and single-serve coffee filtration, personal hygiene

and packaging products as well as home improvement and industrial applications. Glatfelter Composite Fibers has been a key player in the development of filter papers: its market-leading range is used for non-heat sealable and heat sealable tea filter applications as well as in the single serve coffee market. With its Dynagreen

product range, Glatfelter has launched the first heat sealable filter paper made of natural plant-based PLA fibers: Dynagreen is biodegradable and compostable according to EN 13432.

GLATFELTER at

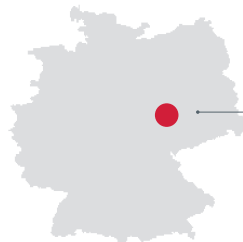


**Tea Days**



Filters paper

Glatfelter will show the efficiency and performance of its cutting-edge products on ACMA machines and will show the latest trends and solutions in Filter Paper.



Germany  
(Composite  
Fibers BU)





**INTERFIL was established in the 1930s by the Martinelli family, in the 1987 it starts to dedicate production to special yarns for Tea.**

It strives to reduce environmental impact by means of a system monitoring energy, water and waste loss, protecting the environment by proposing Organic Cotton and PLA Ingeo.

**New Indian production site:** after so long time of business relation with our supplier of raw material in India we took the decision to open an additional Interfil production site at the same. This decision has been taken to give to our customers an additional possibility to get material. Quality, service and future projects will start to be

stronger due to this new co-operation with 2 big realities. From one side full knowledge of raw material and expert team. From the other side full knowledge of tea bag packing machines and expert team completely dedicated to satisfy customers' needs. These teams will be well connected to get the best way to work in India and in Italy, too.

INTERFIL at



**Tea Days**



**Thread**

It will show its environmental and organic sourcing proposal with certified raw materials for its best quality products and running capabilities.



# POLYPACK

**POLYPACK is specialized in flexible packaging for tea and herbs.** Polypack is a family owned company born 30 years

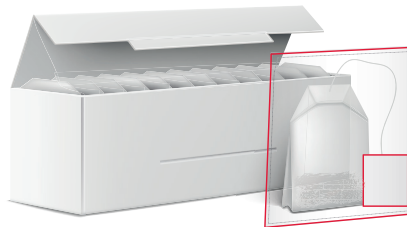
ago, always seeking for new specifications and packaging solutions with a just in time approach. Besides high performing

standard materials, it developed sustainable tags and envelopes - both compostable and recyclable.

POLIPACK at



**Tea Days**



**Tag & Film**

Polypack will be present to speak of their environmental friendly approach toward tea bags packing, to ensure to ensure customers with eco-friendly packaging. It will showcase both recyclable and compostable materials in terms of Tag and External envelope.



# Rockwell Automation

**ROCKWELL AUTOMATION, the world's largest company dedicated to industrial automation and information, makes its customers more productive and the world more sustainable.** It employs 23,000 people serving

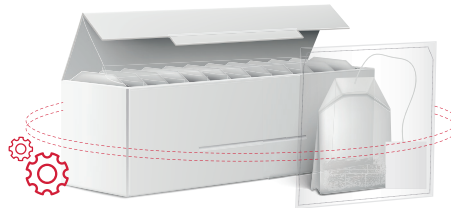
customers in more than 80 countries. Rockwell Automation operates its business through two segments – Architecture and Software, and Control Products and Solutions. The Architecture and Software segment contains key

elements of the Rockwell Automation control and information platforms, software applications and automation components. Control Products and Solutions consists of motor control products and services.

ROCKWELL AUTOMATION at



**Tea Days**



**Technology systems**

Present during ACMA Tea Days with smart machine solutions and latest technology for the industry 4.0, as well as evolution possibilities of current ACMA TE 500 platform.



United States



## TERRANOVA PAPERS

Miquel y Costas Group

**TERRANOVA PAPERS SA is a recently created company that belongs to the group Miquel y Costas, one of the leading manufacturer of specialty papers around the world,**

and it was conceived to exploit company synergies and to serve highly demanding and growing industries such as the Food & Beverage market. It has the most modern inclined-

wire machine technology to ensure cost efficiency, reduction of environmental impact and continuous innovation in products and processes.

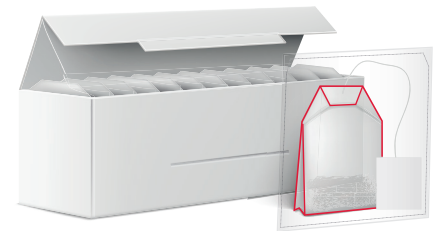
TERRANOVA PAPERS at



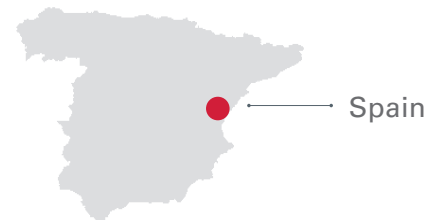
**Tea Days**



**Filters paper**



The company offers premium quality in the whole range of filter papers of the tea bag industry, heat-sealable, non-heat sealable and filter paper for coffee and tea capsules. It recently developed a new family of filter paper called COMPOFILT (fulfilling the norm EN13432 about compost-ability of materials and ten weeks of biodegradability). It also has the recognition OK Biobased with 4 stars which gives the product the maximum rate as far as the origin of raw materials.





## Zwirner an der Wutach

Quality · Reliability · Tradition · Since 1886

**ZWIRNERI A.D WUTACH GMBH is a family owned company founded in 1886 active since 30 years in Tea bag threads.** Renowned worldwide for thread ideal running properties with technical and hygienic excellence, its active in

the market with resource-saving materials such as Organic Cotton and PLA. Zwirneri Wutach, as a SEDEX member actively promotes responsible behaviors. For the company, ecological responsibility plays a key role in more than

just the selection of raw materials, it also takes into account the environment when supplying facilities with energy: the majority of energy requirements are covered using renewable and CO2-neutral power from the river Wutach.

ZWIRNERI A.D WUTACH GMBH at

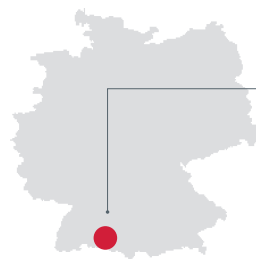


**Tea Days**



Thread

It will show its environmental and organic sourcing proposal with certified raw materials for its best quality products and running capabilities.



Germany

# COESIA OVERVIEW

**Coesia is a Group of innovation-based industrial and packaging solutions companies operating globally,**

headquartered in Bologna Italy, fully owned by Isabella Seràgnoli. Coesia companies are leaders in the sectors of:

- Advanced automated machinery and packaging materials
- Industrial process solutions
- Precision gears

**Coesia customers are leading players in a broad range of industries,** including Aerospace, Ceramics, Consumer Goods, Electronics, Healthcare, Luxury Goods, Pharmaceutical, Racing & Automotive and Tobacco.

The Coesia logo features the word "coesia" in a lowercase, sans-serif font. The letter "c" is stylized with a red arc above it, and the letter "o" is also stylized with a red arc above it.The ACMA logo consists of the letters "ACMA" in white, uppercase font, centered within a red rounded rectangular background.The Atlantic ZEISER logo features the text "Atlantic ZEISER" in white, uppercase font, centered within a red rounded rectangular background.The CERULEAN logo consists of the letters "CERULEAN" in white, uppercase font, centered within a red rounded rectangular background.The CIMA logo consists of the letters "CIMA" in white, uppercase font, centered within a red rounded rectangular background.The CITUSKALIX logo consists of the letters "CITUSKALIX" in white, uppercase font, centered within a red rounded rectangular background.The COMAS logo consists of the letters "COMAS" in white, uppercase font, centered within a red rounded rectangular background.The EMMECI logo consists of the letters "EMMECI" in white, uppercase font, centered within a red rounded rectangular background.The FLEXLINK logo consists of the letters "FLEXLINK" in white, uppercase font, centered within a red rounded rectangular background.The G.D logo consists of the letters "G.D" in white, uppercase font, centered within a red rounded rectangular background.The GDM logo consists of the letters "GDM" in white, uppercase font, centered within a red rounded rectangular background.The GF logo consists of the letters "GF" in white, uppercase font, centered within a red rounded rectangular background.The HAPA logo consists of the letters "HAPA" in white, uppercase font, centered within a red rounded rectangular background.The IPI logo consists of the letters "IPI" in white, uppercase font, centered within a red rounded rectangular background.The MGS logo consists of the letters "MGS" in white, uppercase font, centered within a red rounded rectangular background.The MOLINS logo consists of the letters "MOLINS" in white, uppercase font, centered within a red rounded rectangular background.The NORDEN logo consists of the letters "NORDEN" in white, uppercase font, centered within a red rounded rectangular background.The R.A JONES logo consists of the letters "R.A JONES" in white, uppercase font, centered within a red rounded rectangular background.The SASIB logo consists of the letters "SASIB" in white, uppercase font, centered within a red rounded rectangular background.The SYSTEM Ceramics logo features the word "SYSTEM" in blue, uppercase font above the word "Ceramics" in a smaller, blue, lowercase font, all centered within a red rounded rectangular background.The TRITRON logo consists of the letters "TRITRON" in white, uppercase font, centered within a red rounded rectangular background.The VOLPAK logo consists of the letters "VOLPAK" in white, uppercase font, centered within a red rounded rectangular background.

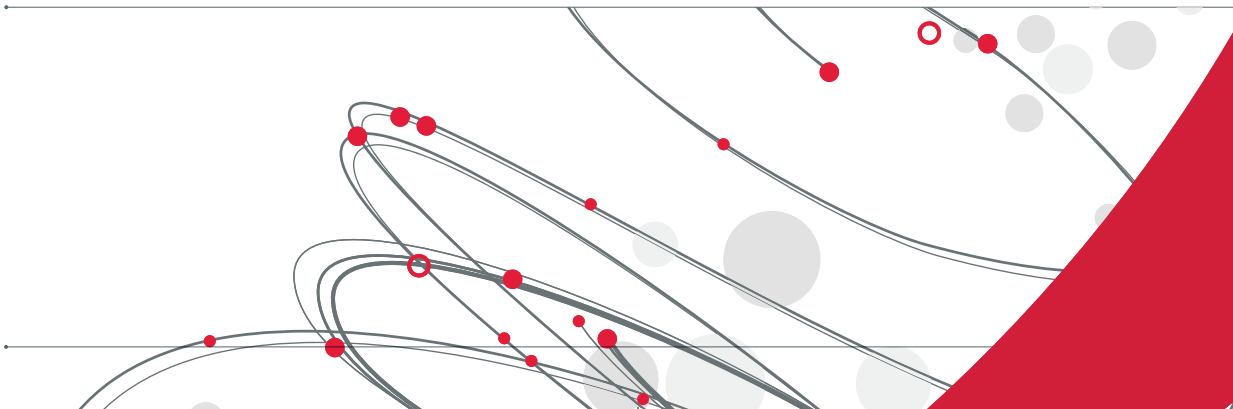


## Atlantic Zeiser is a leading supplier of digital printing solutions for the packaging industry.

Innovative digital printing uses drop-on-demand technology to create superior-quality individualization, serialization and personalization solutions – from primary packaging to late-stage customizing in the pack printing segment. Primarily for FMCG and Cosmetics, it develops tailored systems to facilitate the reliable, legally compliant, cost-efficient, and fast application of unique features to individual and mass products.

## Atlantic Zeiser at ACMA Tea Days

Digiline Versa is a fully integrated and modular system for late stage customization and/or serialization of cartons in one single pass – monochrome or in color, enabling the production of many different country specific styles starting from almost blank carton, thus considerably reducing the number of carton variants to be managed with respect to procurement, storage space and stock keeping. Emerging demand for special or only in small quantities required styles, design changes and test batches are manufactured with shortest process time, close to demand and just in time.





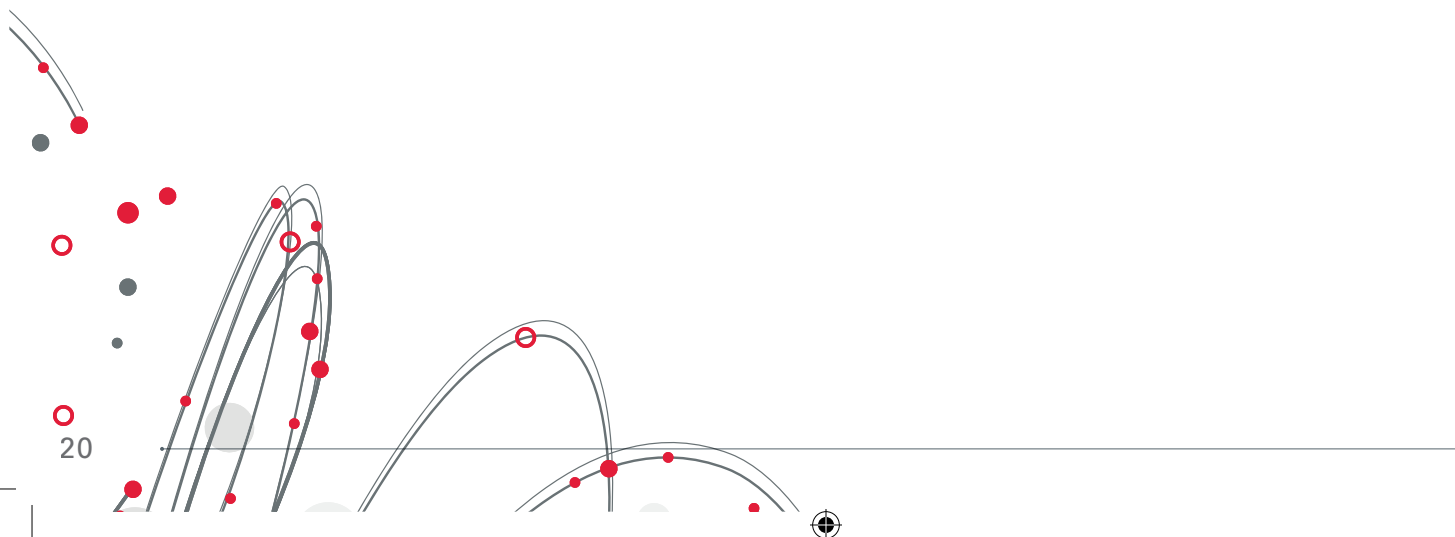
a coesia company



**Emmecci is world leader in the production of automatic Lines to manufacture wrapped rigid cardboard boxes for the luxury segment.**

Emmecci's offer is the result of the continuous evolution and the constant research of innovative solutions. It includes the state-of-the-art of technology for the production of 'premium packaging' for the different sectors of the market: accessories/fashion, cosmetics and perfumery; chocolate and confectionery; wines and liquors; sparkling wines and champagne; electronics and multimedia; jewellery and watches; pharmaceutical; crystal ware and home accessories; games. Such innovations are the expression of the industrial revolution which is taking place also in the world of packaging and which is leading to a more and more massive 'digitalization' as a mean to increase the efficiency of the production processes.

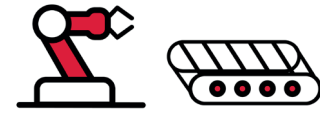
Emmecci means 'Made in Italy quality': all the steps of the machinery production process take actually place inside the factory in Cerreto Guidi (Florence). Italy is the starting point for the success of Emmecci at a global level: thanks to its two branch offices, in Paris and in the U.S., and to its network of distributors in different countries of the world, Emmecci can boast a strong and undisputed international presence.







a coesia company



## **A world-class factory automation expert.**

Working closely with global customers, we provide innovative, automated solutions to produce goods smarter, safer and at lower operating costs. For more than 35 years, our solutions have enabled manufacturers, machine providers and system integrators to take control of production efficiency. Leading provider of high-end solutions to manufacturing industries such as: FMICG, Healthcare, Automotive and Electronics.

## Flexlink at ACMA Tea Days

### **COMPACT SPIRAL ELEVATOR:**

this gives increased access to the production floor and the possibility to transport goods vertically bridging height differences. The spiral-shape is key to its compactness (585 mm in diameter), offering 40% smaller footprint compared to common solutions.

### **RC10 – COLLABORATIVE PALLETIZING UNIT:**

a standardized palletizing cell with collaborative robot. Compact, quick to install and easy to configure. The collaborative robot significantly reduces the footprint by over 50% compared to cells with industrial robots maximizing your production floor space.

### **X65 – CONVEYOR:**

FlexLink offers a wide range of conveyor systems and handling functions for high speed production such as diverters, mergers, rotation units and buffers.

# COESIA DIGITAL

## The future has begun

**Delivering value to our customers has always been a priority for Coesia.**

**More efficient and reliable solutions** can be achieved by taking advantage of the newest digital technologies.

**To keep offering customers cutting edge products and services**, Coesia is exploring the fields of connectivity, big data analytics, line and machine intelligence, digital-to-physical conversion, robotics and artificial

intelligence, while prioritizing cybersecurity.

**In order to fast-track the digital transformation** plan and develop stronger partnerships with customers and suppliers, Coesia has set up a multi-functional team to leverage internal strengths and synergies, to ensure that customers' needs for are fulfilled through state-of-the-art innovations. Value-adding digital opportunities have been identified:

## 1 EDGE ANALYTICS AND ARTIFICIAL INTELLIGENCE

to increase efficiency and uptime, and reduce maintenance costs by:

- **Statistical process control** detecting anomalies in process variability
- **Unplanned stop prevention** through real time data analysis
- **Predictive maintenance** - from planned to smart maintenance
- **Self-regulation capability** to autonomously adapt to changes

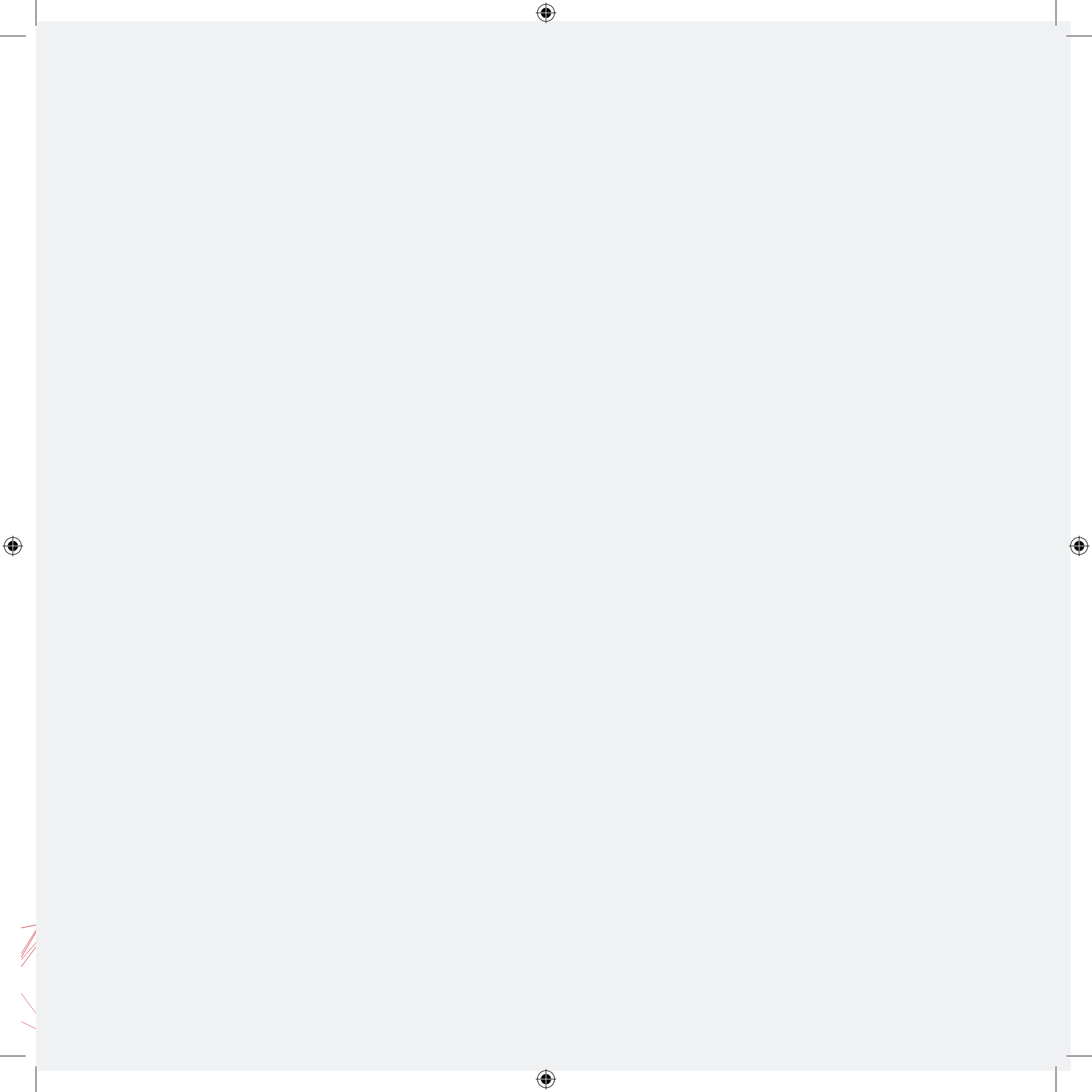
## 2 ONLINE SERVICES

such as remote assistance and spare parts Webshop platform, to enhance customer support and guarantee full availability anytime, anywhere.

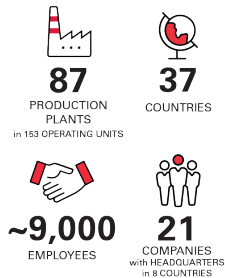
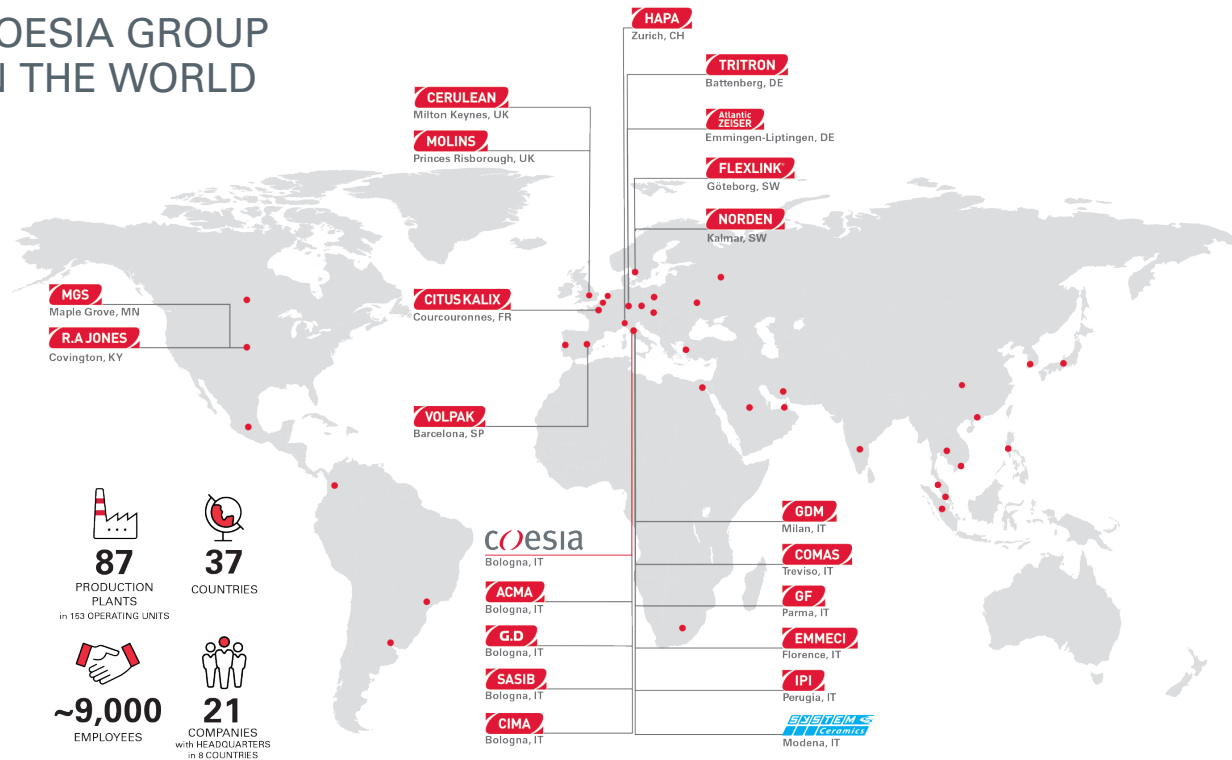
## 3 ON-DEMAND INFORMATION

to make key data and information easy to retrieve for our customers through digital tools, for an improved and enriched user-experience.

coesia



# COESIA GROUP IN THE WORLD



COESIA Company Headquarter

COESIA in the World

# coesia

coesia.com

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- **Advanced automated machinery and packaging materials**
- **Industrial process solutions**
- **Precision gears**



acma.it

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