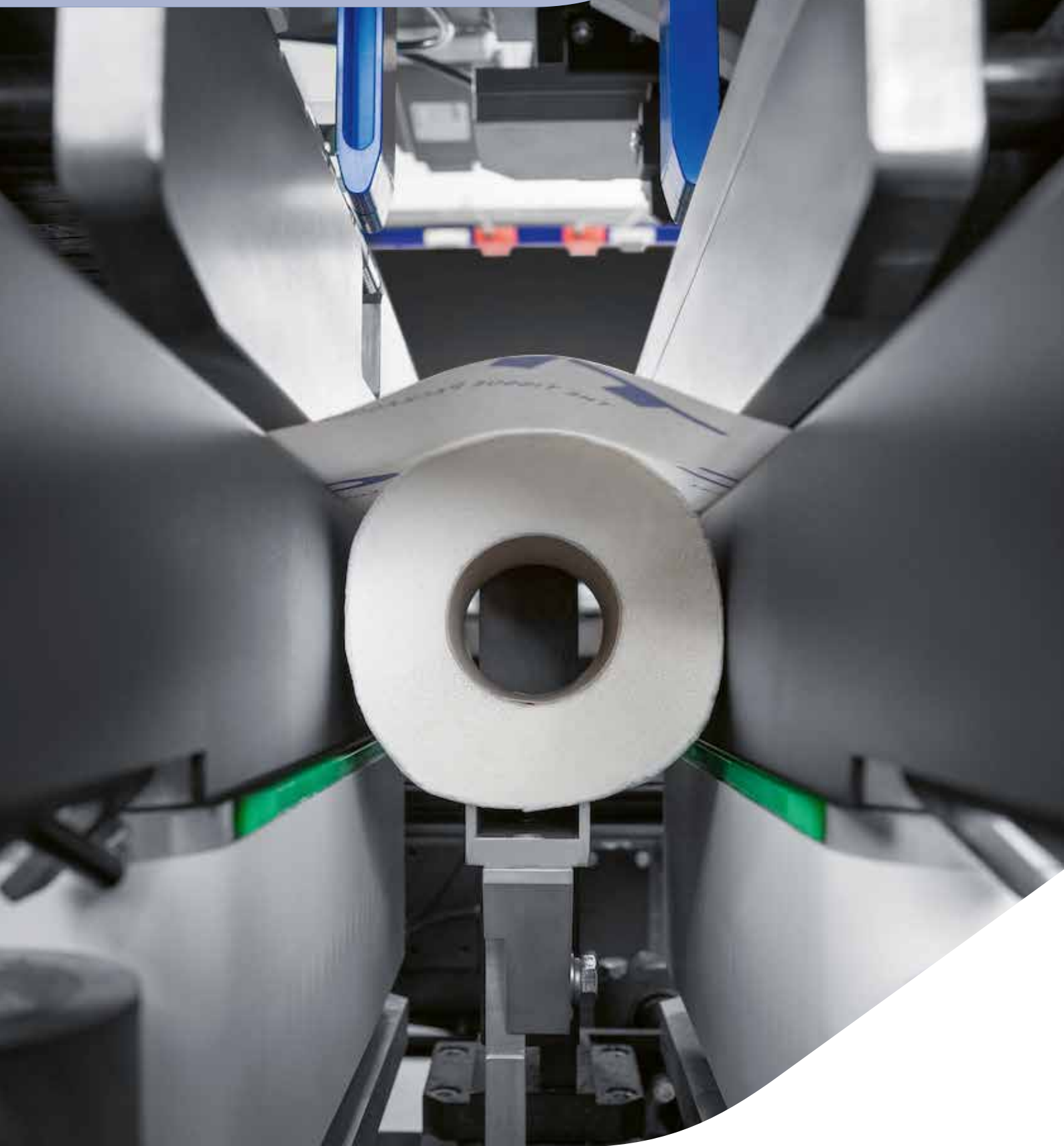


# SUPERA

TISSUE WRAPPER



# SUPERA TISSUE WRAPPER

SUPERA IS A SINGLE TISSUE ROLL WRAPPING MACHINE FOR BATHROOM AND KITCHEN FORMATS.

SUPERA is an innovative single roll packaging machine designed for wrapping bath and kitchen towel rolls in polyethylene, polypropylene and paper.

It delivers high production speeds, **up to 250 packs per minute**, in a very compact footprint.

SUPERA is **fully automated** by motion systems composed of **brushless servomotors**. The infeed doser integrated in the elevator guarantees the right rolls positioning, avoiding their bouncing.

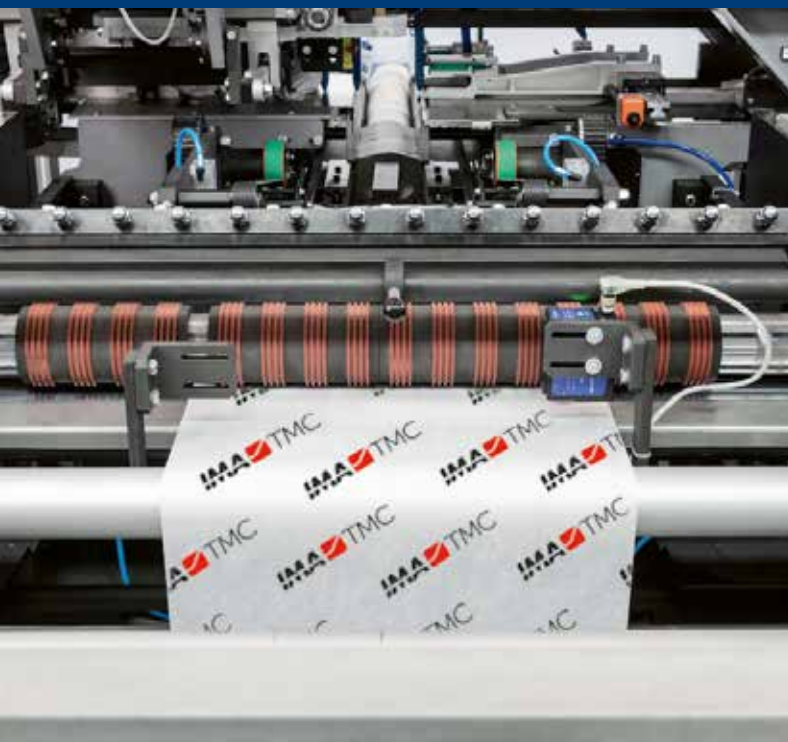
The hexalateral design of the elevator, combined to the continuous motion (no reverse), keeps rolls correctly positioned even on high-speeds.

In the unwinding unit, the wrapping material feeding system is able to accurately place the pre-perforate material on the elevation system.

The integrated tuck group option, designed with the concept of modularity, allows SUPERA to wrap at highest speeds on the tissue market.

Easy management and guided changeover operations are carried out through the touch screen control panel. SUPERA enables full size adjustments stored in recipes for fast, accurate and repetitive setting.





## HIGHLIGHTS

- SUPERA CAN PACK ROLLS IN POLYETHYLENE, POLYPROPYLENE AND PAPER UP TO 250 PACKS PER MINUTE
- THE DOUBLE TRACK FOR TROLLEYS ENSURE BETTER CONTROL
- DOUBLE-CROWN TROLLEY PINS AND TIMING BELTS FOR IMPROVED DURABILITY
- EASY MANAGEMENT AND GUIDED CHANGEOVER
- DIAGNOSING AND TROUBLESHOOTING TOOLS INTEGRATED IN THE HMI CONTROL PANEL

## PRODUCT OUTPUT



FOLD&TUCK KRAFT PAPER  
(HEAT-SEALABLE PAPER READY)



POLYETHYLENE AND  
POLYPROPYLENE FILM



# HIGHLIGHTS



## HORIZONTAL STACKER WITH BUFFER PRODUCT INFEEED

Rolls accumulate in the motorized belt. This group includes a photo-eyes series device to control the right position and the presence of rolls.

Single-lane and double brushless motors balance automatically the rolls feeding, according to the machine's speed.

The dosers belts group positioned on product launcher belt, counts the exact number of rolls for the pack configuration desired.

## ELEVATOR

The hexalateral elevator, without linear bearing guide and with continuous motion (no reverse), guarantees the best performances and reliability.



## IMA NOP: SUSTAINABLE SOLUTIONS FOR PACKAGING.

IMA NOP stands for the IMA's No-Plastic program and is part of the IMA ZERO Project, which is the Group's commitment in reducing the carbon footprint and the use of plastic in packaging. Some extremely innovative solutions have already been developed, in collaboration with the major players on the market, thus anticipating the needs of the reference customers.

IMA promotes a sustainable future, because our commitment today will help to shape the world of tomorrow.

As a multi-material wrapper, SUPERA has the ability to treat **polyethylene, polypropylene and paper, either foldable or heat-sealable**, bringing to the market new products packed with eco-sustainable materials in response to a demand for increasingly "green" products.



## FOLDING STATION AND OVHD UNIT

The universal mechanical side folders are designed for either paper, polyethylene or polypropylene wrapping, saving time during the format changeover.

The OVHD dragging unit is controlled by 2 servomotors for the sequential movement of packs from the elevator area to the sealing area. The double track for trolleys ensures better control and reliability.



## SEALING AND OUTFEED

The group is motorized with two AC motors that transmit motion to two belts that heat-seal the sides flap of pack. Each belts runs on a series of sealing plates heated by resistances.

## IMA SENTINEL: EFFICIENCY AT HAND

SUPERA is IMA SENTINEL ready, the open platform to monitor autonomously machine conditions in real-time 24/7. Thanks to IMA Sentinel is now possible to collect raw data and translate them into **meaningful and valuable information** providing:

- **Intelligent and dynamic action list** for the operator to help improve efficiency;
- **Machine data statistics** for smart line harmonization;
- **Real average performance** for accurate production planning. SENTINEL can dialogue with all ERP and MES systems and receive and analyze data from all PLCs.

IMA Sentinel is an IMA Digital project.



# SALES AND SERVICES



A PROACTIVE OPERATIONAL APPROACH, HIGH QUALITY ADVICE AND TIMELY RESPONSES TO PROVIDE SPECIFIC SOLUTIONS FOR EVERY NEED IN ORDER TO OPTIMIZE CUSTOMER INVESTMENTS.

## SERVICE

Throughout the entire equipment lifecycle, **TMC** guarantees on-site technical assistance to ensure maximum uptime thus safeguarding productivity.

From the design phase onwards, for line both turnkey solutions and single machines, TMC believes that working together with each customer leads to the very best solutions, always tailored to real, closely evaluated situations.

## SPARE PARTS

The supply of TMC original spare parts is ensured thanks to the collaboration of **AMS**, overseeing the complete traceability of the supply chain, ensuring the reliability and continuity of system operations.

Our expertise allows us to provide personalized spare part lists in order to plan the periodical replacement of parts subject to wear, managing the entire life cycle of the spare parts.

Our warehouses in Brazil, United States and Mexico can guarantee delivery within 24 hours of all spare parts available in stock in each area. We are also present in Asia and Africa with our Area Managers and a dedicated network of agents.

## OEE CONSULTING

The Overall Equipment Effectiveness (OEE) is a very important objective. Packaging lines are accurately designed to ensure a maximum level of efficiency and a reduction in machine downtime.

IMA Group emphasizes not only technical solutions, but also the investment in the training of its customers - as this also contributes to an increase in productivity levels.

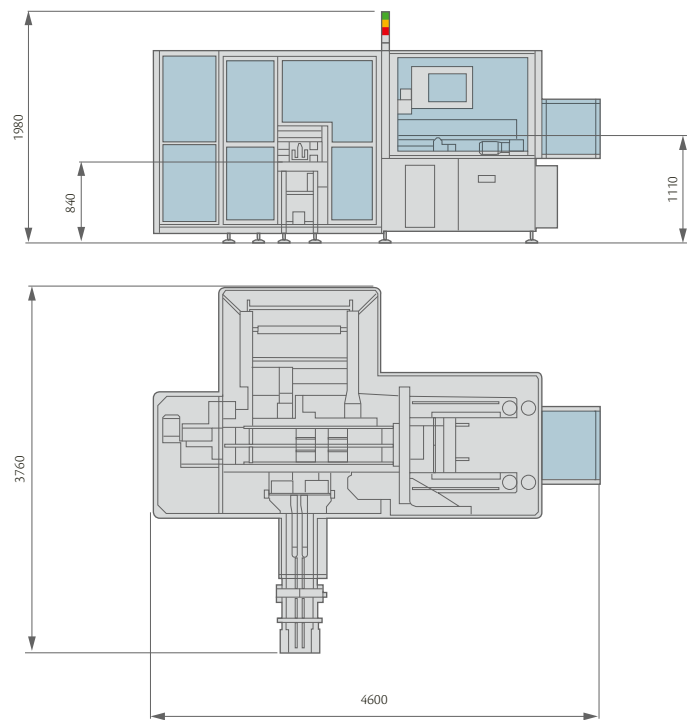
TMC manages a team of specialists who, through careful analysis of production data, can identify critical issues in production thus promoting an increase in the quality levels of machines.

## TRAINING AND MAINTENANCE

In order to ensure the functional continuity of the machine, we have developed specific training courses with theoretical classroom and practical training on-the-job.

We also offer analysis and personalized guidance to resolve or anticipate problems, optimize production, and streamline the management of spare parts stock at the customer site.

# TECHNICAL DATA



SUPERA			
Maximum speed	300 cycles/minute		
Max production speed	250 packs/min		
Lanes	1		
Infeed product range (mm)		Min.	Max
	Diameter	90 min (3,54")	150 mm (5,9")
	Length	90 min (3,54")	280 mm (11")
Outfeed product range (mm)	Width	90 mm (3,54")	150 mm (5,9")
	Length	90 mm (3,54")	300 mm (11,8")
	Height	90 mm (3,54")	150 mm (11,8")
Reel dimensions (mm)	Width	320 mm (12,6")	800 mm (31,49")
	Diameter	-	450 mm (17,71") (1000 mm - 40" optional required)
Core diameter	70 ÷ 76		

ima.it



**T.M.C. S.p.A.**

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