TUNNEL
FINISHING SYSTEM

PONY USA
FINISHING FIRST

WWW.PONY-USA.COM

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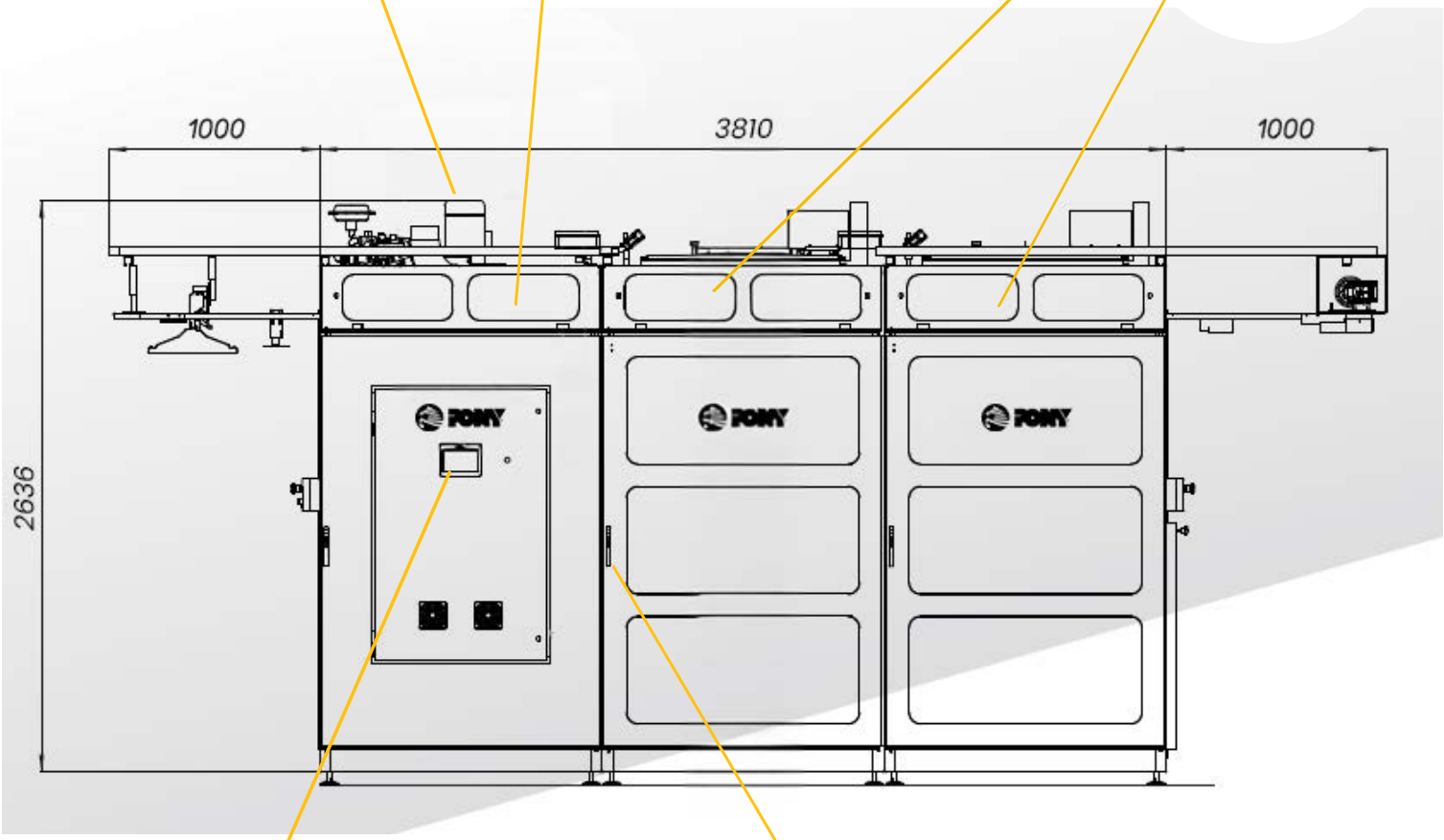
Vacuum motor with adjustable speed

Steaming chamber

Drying chambers with radial system for homogeneus flow



Complete control of the machine through the PLC touch logic with customisable interface and 7" display.

Innovative doors opening system for an easier accessibility and fast maintenance

Pony's **TUNNEL FINISHING SYSTEM** represents a state-of-the-art technological solution, characterised by a customisable modular design, conceived to automate and optimise the finishing phase of garments before distribution. This advanced system is composed of one or more steaming chambers, dedicated to relaxing the textile fibres, and one or more blowing chambers, which perfect the aesthetic and functional appearance of the fabrics. Thanks to its versatility, the tunnel can process garments with a production capacity ranging from 500 to 2,200 pieces per hour, adapting flexibly to specific production requirements and selected settings, optimising energy waste and processing times.

MAIN FEATURES AND BENEFITS:

Transport system

Pony's TUNNEL FINISHING SYSTEM is equipped with a garment transport and unloading mechanism that can be fully integrated with the most popular conveyor systems on the market, without the need for complex adaptations.

Steaming chamber

Innovative system that includes two inflatable rollers located at both the inlet and outlet side of the steaming chamber, and designed to effectively seal the internal environment and prevent any steam leakage. This solution optimises the efficiency of the process and also contributes to a drastic reduction in energy consumption.

- **Steaming uniformity:** the steaming chamber is designed to ensure an even distribution of steam over the entire working surface. Thanks to its advanced technology, steam is diffused in a constant and even manner, avoiding areas of higher or lower concentration. This ensures that every part of the fabric receives the same amount of steam, improving the efficiency of the ironing process and reducing the need for repeated passes, for professional results with perfectly smooth, crease-free garments.
- **Energy saving:** the steaming chamber is equipped with three independent steaming sections (top-middle-bottom) that allow only the strictly necessary energy to be used to generate and maintain steam, adapting to the length of the garment. This not only reduces operating costs, but also makes the system more environmentally sustainable, meeting the growing need for energy efficiency in the equipment sector.
- **Ironing quality:** the steaming chamber technology combining uniform steaming and controlled steam delivery allows fabrics to be treated gently but effectively, preserving their structure and appearance. This is especially important for delicate garments or complex materials, where excessive exposure to heat or steam could cause damage. The Pony system guarantees a flawless finish, with superior appearance and a soft touch feeling.
- **Nozzle-free system for better quality:** unlike conventional systems that rely on nozzles to deliver steam, this steam chamber eliminates the need for such components. Nozzles can clog, cause drips or distribute steam unevenly, compromising the quality of the result. The nozzle-free design allows for a smoother and more controlled steam distribution, reducing the risk of water stains on fabrics and improving the precision of the ironing process. In addition, the absence of nozzles simplifies system maintenance, increasing durability and reliability.

Touch screen

This generation of Touch Screen is designed to provide an extremely accessible and smooth user experience, thanks to an intuitive interface and a multifunctional display. This cutting-edge technology enables simple and versatile control, with maximum convenience and precision.

Ventilation chambers

- **Energy saving:** using a high-efficiency radial motor, the device optimises the energy used to generate blowing and heat, significantly reducing consumption and environmental impact compared to conventional systems.
- **Strong blowing:** the radial motor ensures calibrated, powerful and continuous blowing to remove residual moisture from fabrics and stretch them optimally, eliminating creases and wrinkles without the need for manual intervention. The blowing power is such that it can also handle heavier fabrics or bulky garments, ensuring consistent results on a wide range of materials.
- **Perfect drying:** thanks to the combination of strong blowing and an advanced ventilation system, the system offers impeccable drying. The result is a professional finish that preserves the quality and durability of fabrics.
- **Uniform blowing throughout the ventilation chamber:** unlike traditional systems, where blowing tends to be concentrated only at certain points, the motor ensures an even distribution of the airflow along the entire ventilation chamber. This feature is essential for treating garments evenly, ensuring that every part of the fabric receives the same level of attention.
- **Increased airflow:** the increased airflow generated not only stretches fabrics more effectively, but also helps to keep garments firmly positioned on the hanger during the process. This is particularly useful for delicate or structured garments, such as dresses or jackets, which require precise handling to maintain their shape.
- **Reduced noise:** this tunnel is designed to operate with significantly less noise than it was in the past. Moreover, thanks to sound insulation technologies and an optimised design, the system produces a minimal noise level, making the user experience more comfortable.
- **Optimised consumption:** the system benefits from an overall optimisation of consumption, including not only electricity but also resource efficiency during operation.

Recovery of garments

Equipped with an advanced alarm system that detects falling garments, the PLC automatically identifies the affected chamber. The modern door opening mechanism ensures maximum protection for the operator. In addition, the magnetic doors ensure immediate and safe recovery.

Intuitive design for easy maintenance

The system is designed with a simple user interface and architecture that simplify both operation and maintenance. Key components, such as the vaporisation chamber and filters, are easily accessible for cleaning or replacement, reducing the time and effort required to keep the device in optimum condition.

Possibility of working with taller garments

Unlike many traditional systems, which can be limited in handling non-standard sized garments, this system is designed to accommodate longer garments, such as evening gowns and long coats, without compromising the stability or effectiveness of the treatment.

Target Markets

- Medium and large-scale logistics and clothing retail companies
- Medium-sized and large industrial laundries
- Garment production
- Dry cleaning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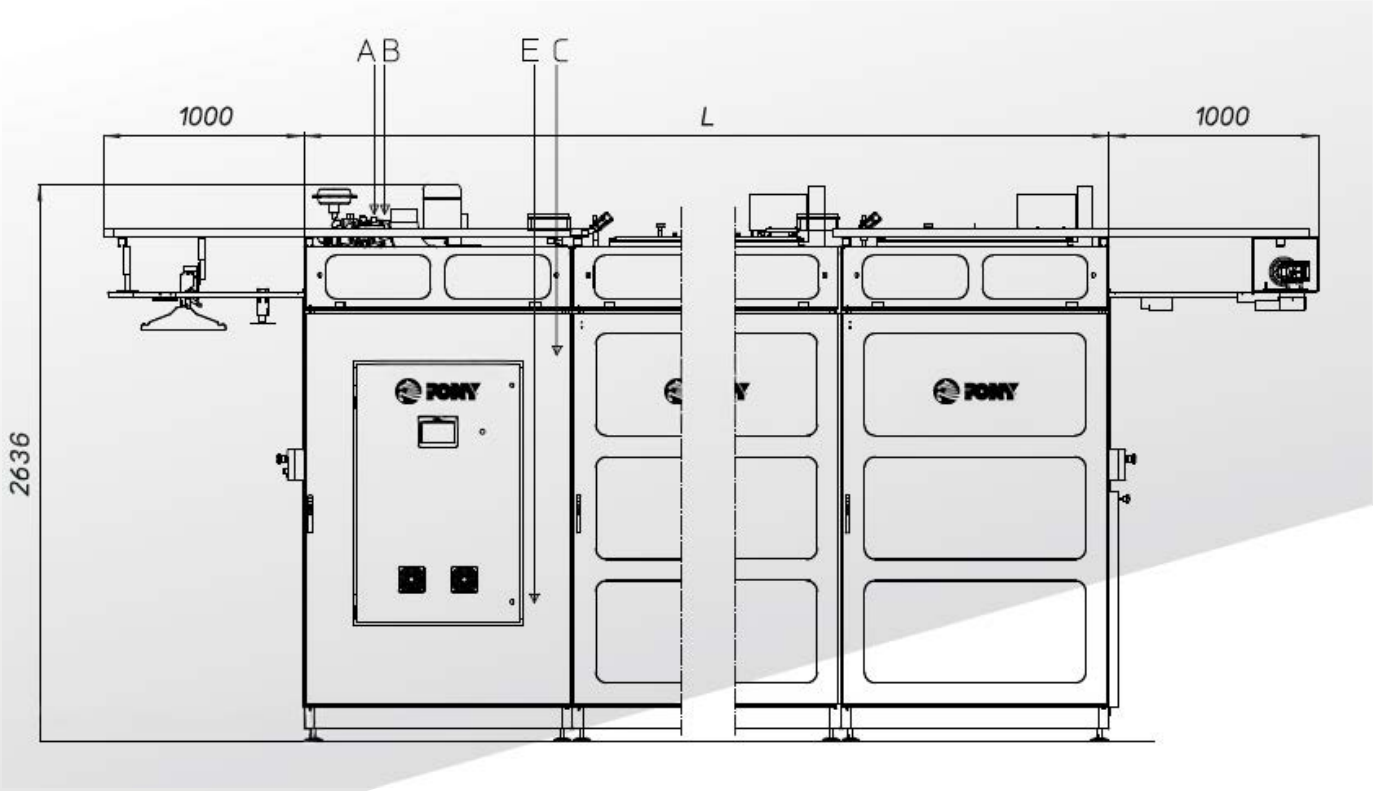
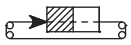
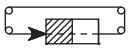
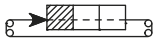
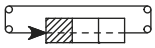
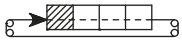
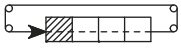
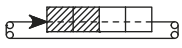
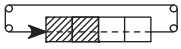
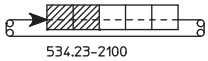
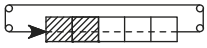
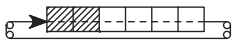
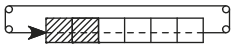
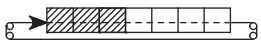
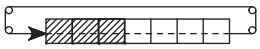
Tunnel Finishing System

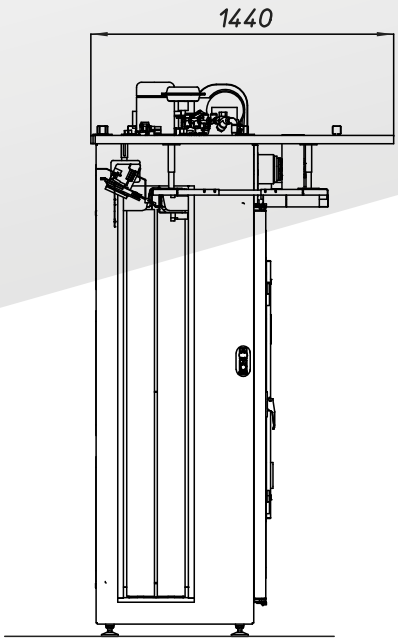
Dimensions and consumptions



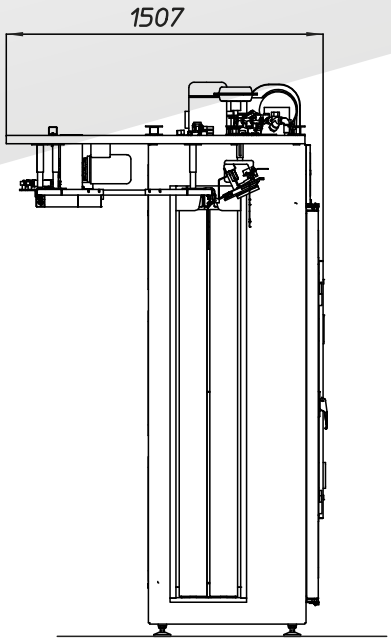
STEAM CHAMBER CAMERA VAPORIZZAZIONE	AIR CHAMBER CAMERA SOFFIAGGIO	RIGHT CONVEYOR TRASPORTATORE DESTRO	LEFT CONVEYOR TRASPORTATORE SINISTRO
1	1	 534.11-2100	 534.11-2200
1	2	 534.12-2100	 534.12-2200
1	3	 534.13-2100	 534.13-2200
2	2	 534.22-2100	 534.22-2200
2	3	 534.23-2100	 534.23-2200
2	4	 534.24-2100	 534.24-2200
3	4	 534.34-2100	 534.34-2200

* AVERAGE VALUES
Steam consumption varies in relation to the quantity used and the kind of garment.

DX



SX



	CONNECTION CONNESSIONI				CONSUMPTION CONSUMI			
OUTPUT (Capi/h) PRODUZIONE (Capi/h)	A STEAM (10 Kg/cm2) A VAPORE (10 Kg/cm2)	B CONDENSE B CONDENSA	C COMPRESSED AIR (6 Bar) C ARIA COMPRESSA (6 Bar)	E ELECTRIC ENERGY (Kw) E ENERGIA ELETTRICA (Kw)	ELECTRIC ENERGY (Kw/h) ENERGIA ELETTRICA (Kw/h)	STEAM (Kg/h) VAPORE (Kg/h)	COMPRESSED AIR (Nl/min) ARIA COMPRESSA (Nl/min)	DIMENSION L (mm) DIMENSIONE L (mm)
500/800	1 x 3/4" 1 x 1/2"	2 x 1/2"	1x10 mm	4	3	100	0.3	2540
700/1000	1 x 3/4" 2 x 1/2"	3 x 1/2"	1x10 mm	5.5	4.1	135	0.4	3810
1000/1400	1 x 3/4" 3 x 1/2"	4 x 1/2"'	1x10 mm	7	5.2	170	0.5	5080
1100/1500	2 x 3/4" 2 x 1/2"	4 x 1/2"	1x10 mm	7.5	5.6	220	0.6	5080
1400/1800	2 x 3/4" 3 x 1/2"	5 x 1/2"	1x10 mm	9	6.7	250	0.7	6350
1500/2000	2 x 3/4" 4 x 1/2"	6 x 1/2"	1x10 mm	10.5	7.9	270	0.8	7620
1800/2200	3 x 3/4" 4 x 1/2"	7 x 1/2"	1x10 mm	12	9	380	0.9	8890