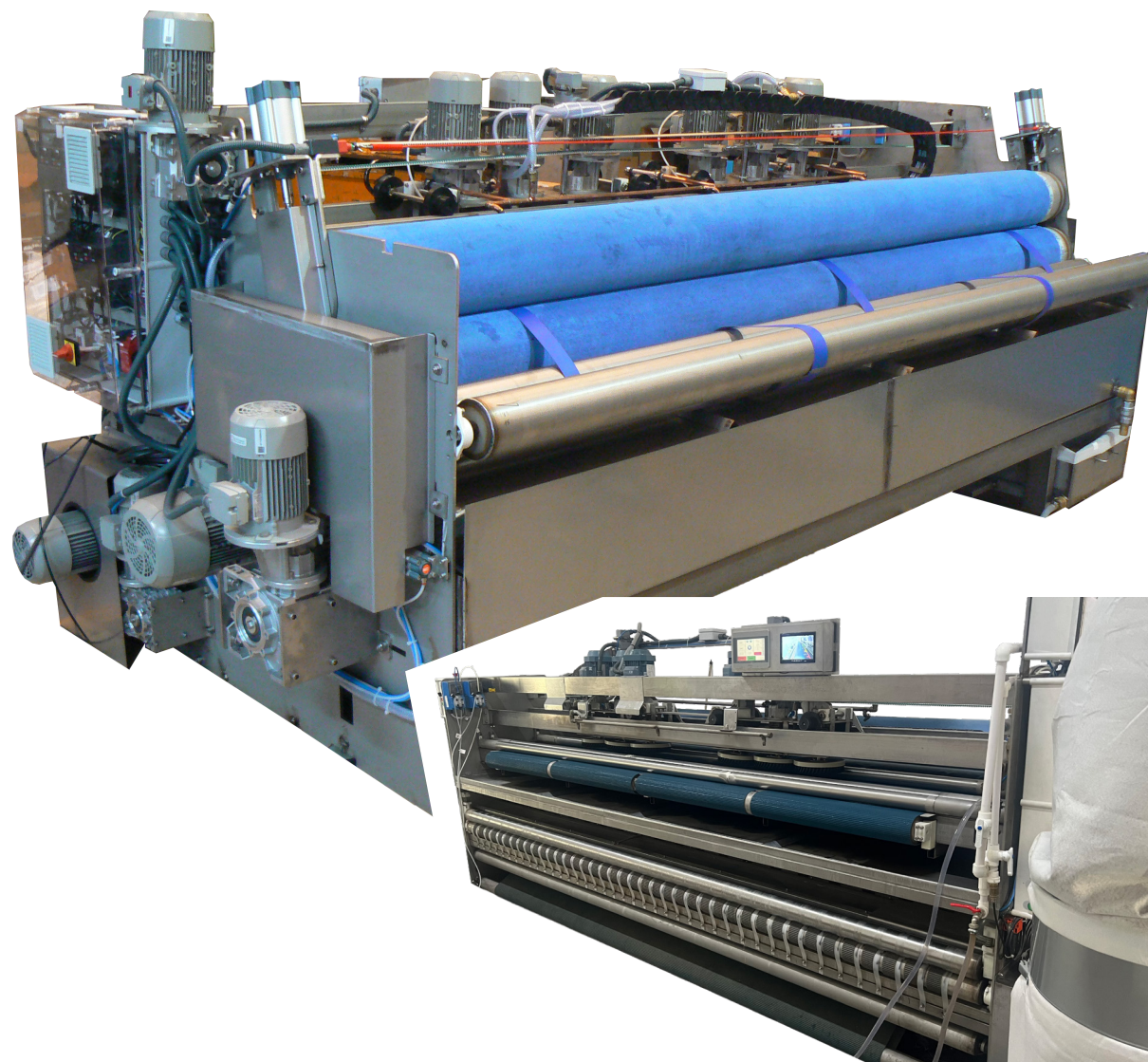


Total (Dedusting, Washing & Spinning) Standard TO-SP, Continuous TO-SPC

Description

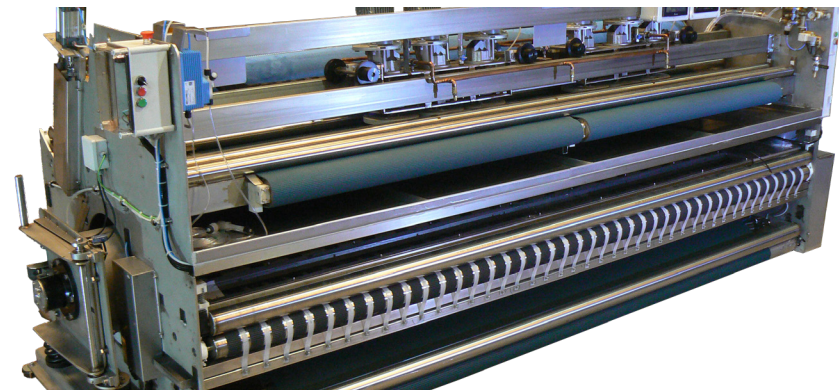
The TOTAL washing line is the only equipment on the market capable of carrying out the complete treatment of the carpet in professional quality using a single compact machine: dusting, washing and spinning, without noise or vibrations. The entire process is integrated into a continuous work train that includes a lower dedusting system, four washing stages and a spinning module connected by a roller trolley. The TOTAL range offers from a mini installation requiring only 15 m² to high-capacity industrial solutions, always built entirely in AISI 304 stainless steel to guarantee maximum durability, hygiene and resistance to corrosion.



Total (Dedusting, Washing & Spinning) Standard TO-SP, Continuous TO-SPC

Pros

- **All-in-one** compact machine that brings together everything necessary for professional carpet and carpet washing in a small space.
- **Higher quality of finish**, new system that improves the finish of the carpets eliminating the Z-marking.
- **Carpet construction** eliminates wrinkle from carpets and carpets during the washing process.
- **Pre-spin system** Exclusive Catinet system that removes 60% of the water from the carpet or carpet before the final rolling, facilitating handling and spinning.
- **100%** AISI 304 stainless steel structure, which guarantees high durability, maximum hygiene and excellent resistance to corrosion in intensive environments.
- **Maximum operational safety**, designed to meet the highest standards of occupational and industrial safety and protect the operator.
- **High performance and reliability**, ensuring continuous operation and always homogeneous draining results.
- **Reduced electricity and water consumption**, with savings of more than 20%, optimizing energy, with the water recovery system now 50% reducing the environmental impact.
- **Minimal maintenance**, which reduces downtime and service costs over the entire service life.
- **Lower total cost of ownership (TCO)** thanks to the combination of energy efficiency, low maintenance and long durability of the Components



Features

- Perform the complete carpet cleaning process in one machine: dusting, four-stage washing, and final spinning.

- Dust the carpet at the bottom of the machine, collecting approximately 80% of the dust in lower drawers and the remaining 20% in an outdoor vacuum cleaner.

- Start washing when the carpet has come out about 1 m, going through four washing stages arranged on the train:

- First stage: soaping with adjustable flow sprayers according to the thickness of the carpet; The shampoo is dosed using a variable flow pump directly from the container.

- Second stage: intensive brushing using brushes mounted on mobile trolleys that move from side to side; The working pressure is pneumatically regulated between 0 and 60 kg per trolley and the direction of rotation of the brushes is reversed from the control panel, preventing the "stale" of the hair and extending the life of the brushes.

- Third stage: energetic rinsing combined with the combing of the carpet pile to improve the final finish.

- Fourth stage: automatic winding of the carpet, leaving it ready for introduction into the centrifuge without additional operations.

- Optimize the consumption of resources, since brushes, water and shampoo only act in the area where the carpet circulates, avoiding dead zones and achieving significant savings in water and detergent.

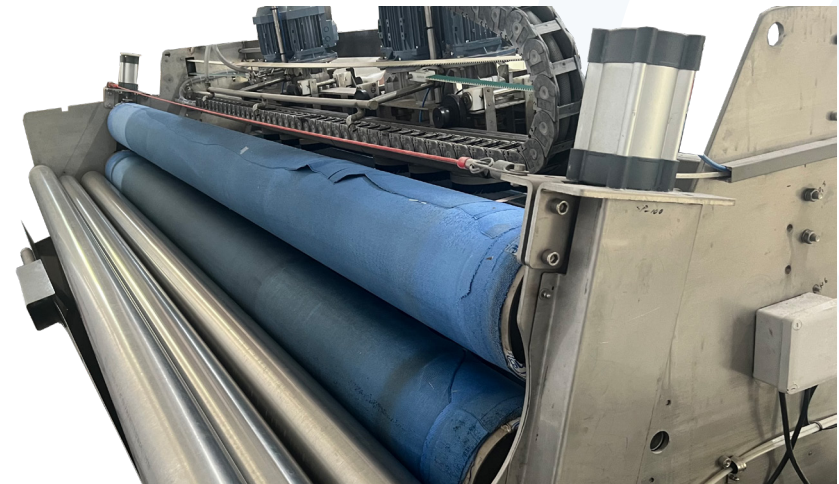
- Incorporate a water recirculation system that improves efficiency and reduces environmental impact.

- Transfer the carpet from the washing train to the centrifuge using an included roller trolley, without transmitting vibrations between the two units.

- In the TOTAL 3.5 model, it allows the loading of two carpets in the centrifuge (4.5 m useful) and works simultaneously with the deduster, the washing machine and the centrifuge, achieving very high productivity.

Requirements

- Adequate power supply according to the machine configuration, to power the spin motor and automatic control system.
- Connection to the sewerage network for the evacuation of the water extracted during the draining process.
- Compressed air supply for the operation of the pneumatic elements associated with the locking or safety system (depending on the model).
- Level and resistant support surface, without the need for special foundations, thanks to the integrated vibration damping system.



Total (Dedusting, Washing & Spinning) Standard TO-SP, Continuous TO-SPC

Technical data	Total 3SP	DUO 3SP	DUO 3.5 SP	Total 3.5 SP	Total 4.5 SP	Total 3SPC	Total 4SPC
Touch screen control	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Connected machine	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Automatic introduction carpet	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Maximun Carpet width	3.0 m	3.0 m	3.5 m	3,5	4.5 m	3.2 m	4.5 m
Dust remover	Yes	No	No	Yes	Yes	Yes	Yes
Washing	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Continuous Brush	No	No	No	No	No	Yes	Yes
Number of brushes	6	6	12	12	18	12	18
Speed of brush rotation (max)	300 rpm	300 rpm	300 rpm	300 rpm	300 rpm	300 rpm	300 rpm
Productivity of washing	60 m ² /h	60 m ² /h	120 m ² /h	120 m ² /h	180 m ² /h	120 m ² /h	180 m ² /h
Number of shampoo pumps	2	2	2	2	2	2	2
Speed of carpet (m/min.)	0,2 – 1	0,2 – 1	0,2 – 1	0,5 – 2	0,5 – 2	0,5 - 2	0,5 - 2
Water recovery	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Water tank Recirculation	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Water filter Recirculation	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pre-centrifuged	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Automatic carpet rolling up	Yes	No	Yes	Yes	Yes	Yes	Yes
Drying by centrifugation	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Centrifugal diameter	34 cm	34 cm	34 cm	34 cm	44 cm	34 cm	44 cm
Velocity od centrifugal	1,300 rpm	1,300 rpm	1,300 rpm	1,300 rpm	1,050 rpm	1,300 rpm	1,050 rpm
Spin drying G-force	300 G	300 G	300 G	300 G	300 G	300 G	300 G
Maximum carpet width of centrifuge	3.0 m	3.0 m	3.5 m	3.5 m	4.5 m	3.0 m	4.5 m
Voltage (V)	3 x 400V	3 x 400V	3 x 400V	3 x 400V	3 x 400V	3 x 400V	3 x 400V
Power supply	10 kW	12 kW	14 kW	14 kW	16 kW	12 kW	20 kW
Water supply	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Average time of cleaning process (carpet 4 m ²)	6 min	4 min	2 min	2 min	2 min	2 min	1.4 min
Electricity usage (kWh/ m ²)	0.25 kWh/m ²	0.12 kWh/m ²	0.12 kWh/m ²	0.12 kWh/m ²	0.13 kWh/m ²	0.25 kWh/m ²	0.25 kWh/m ²
Water usage	25 l/m ²	21 l/m ²	21 l/m ²	21 l/m ²	21 l/m ²	25 l/m ²	25 l/m ²
Dimensions Long	3.2 m	3.7 m	5.1 m	5.1 m	5.6 m	3.7 m	5.1 m
Dimensions Wide	1.2 m	1.2 m	2.35 m	2.35 m	2.35 m	2.3 m	2.3 m
Dimensions Height	1.7 m	1.7 m	2.1 m	2.1 m	2.1 m	2.1 m	2.1 m
Weight	1450 Kg	1,550 Kg	1,800 Kg	2,650 Kg	2,800 Kg	2,650 Kg	2,800 Kg
Material	Stainless Steel 304		Stainless Steel 304		Stainless Steel 304		