

CONVEYORIZED/TUNNEL CLEANERS



Key Features:

- Multi-stage progressive cleaning of mass produced mechanical parts
- Fully automatic operation with full process monitoring and control
- High cleaning efficiency and reliability
- Aesthetically and ergonomically designed
- Full stainless steel construction on all wetted parts
- Water-based cleaning with 100% automatic filtering and recycling
- Automatic wash/rinse water diversion and filtration system
- Electric heating with microprocessor-based digital temperature control

Benefits/Advantages:

- Continuous cleaning of mass produced small or medium mechanical parts
- High cleaning efficiency and reliability
- Water-based cleaning using environmentally friendly detergent
- Automatic filtering and recycling
- Easy maintenance and servicing
- Optimizing operator's productivity
- Can be configured from a simple to a sophisticated cleaning machine

Industrial Applications:

- Automotive Parts
- Metal Forming and Stamping
- Moulding & Casting
- PCBs Manufacturing
- Precision Machining
- Other Manufacturing Sector

The **CYCLOJET ConveyORIZED/Tunnel Cleaners** are best suited for cleaning small to medium-sized mass production mechanical parts – using aqueous-based medium to high pressure spray jet cleaning technology. The cleaning process is continuous and involves several stages of cleaning and rinsing processes with options for different types of drying stages. For critical and thorough cleaning requirements, Ultrasonic Cleaning technology may be employed as an option.

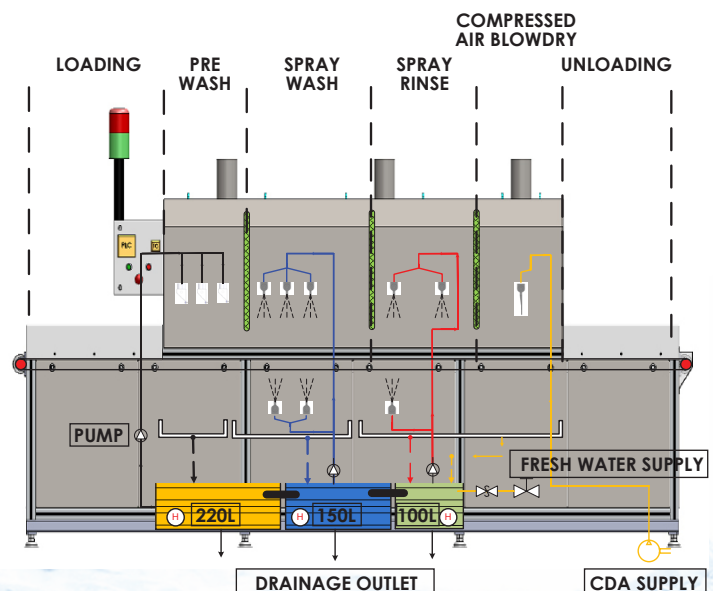
The **Cyclojet ConveyORIZED/Tunnel Cleaners** come in three standard sizes : **Small/ Medium/ Large** – according to the width of the conveyor – with an option to customize other sizes. The typical standard cleaning process is as follows :

LOAD > SPRAY CLEAN > SPRAY RINSE > FINAL RINSE >

BLOW-DRY > UNLOAD – with other stages as option. An optional fully integrated ConveyORIZED Drying Oven can also be incorporated into the Cleaning System to ensure 100% drying of the clean parts.

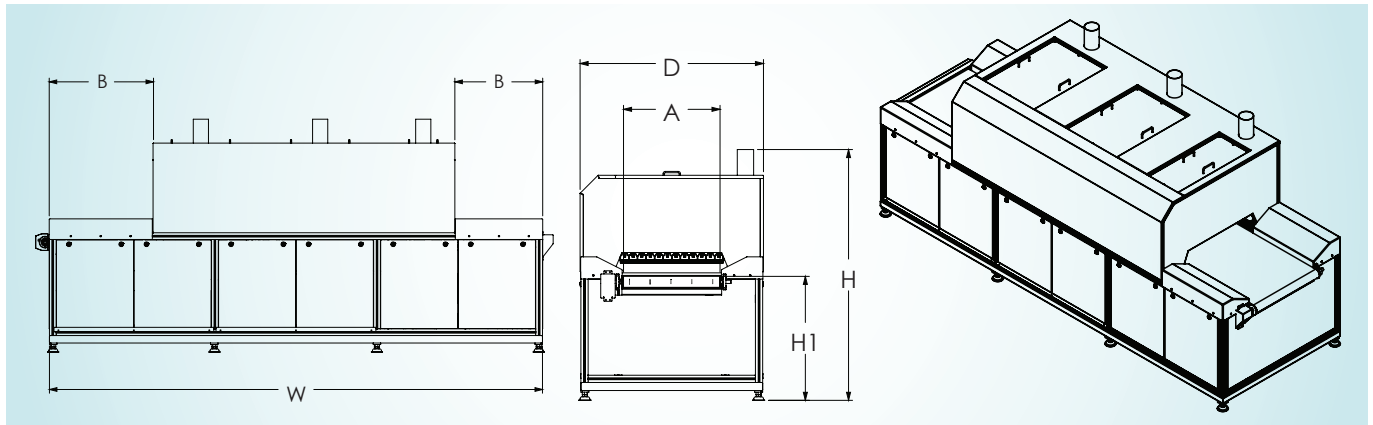
Options/Accessories:

- **Steam Extractor** – for automatic extraction of hot steam out of the wash chamber or hot air out of the drying chamber.
- **Oil-Separator Assembly** – for positive & effective removal of floating waste oil automatically out of the wash reservoir to prolong the bath life.
- **Fine Particles Filters** – for entrapping fine particles during the washing process using filter bags system with stainless filter housing and pressure gauge monitoring.
- **Auto-Detergent Dosage System** – for automatic monitoring & dispensing of wash detergent inside the wash tank reservoir.
- **Conveyor Drying Oven** – a standalone or integrated conveyor oven for automatic drying of washparts using turbine blower, air knives and other heating system.



CYCLOJET CONVEYORIZED/TUNNEL CLEANERS

(Small/Medium/Large)



Technical Specifications

S/N	DESCRIPTIONS	SMALL	MEDIUM	LARGE
1.0	MODEL NO.	CTC-400-5S	CTC-600-5S	CTC-800-5S
2.0	Load/ Unload Stations			
2.1	Conveyor Width (A) ^A	400 mm ^A	600 mm ^A	800 mm ^A
2.2	Conveyor Length (B) ^A	600 mm ^A	800 mm ^A	1000 mm ^A
2.3	Maximum Load Capacity	10 Kg/ Load	15 Kg/ Load	25 Kg/ Load
3.0	Principal Dimensions			
3.1	Width (W)	900 mm	1100 mm	1300 mm
3.2	Depth (D)	3000 mm	3400 mm	3800 mm
3.3	Height (H)	1250 mm	1250 mm	1250 mm
3.4	Loading Height (H1) ^B	900 mm ^B	900 mm ^B	900 mm ^B
4.0	Other Specifications			
4.1	Wash Capacity	150 L	200 L	300 L
4.2	Rinse Tank Capacity	150 L	200 L	300 L
4.3	Wash Pump Capacity ^C	4.0 Bar @ 100 Lpm ^C	4.0 Bar @ 150 Lpm ^C	4.0 Bar @ 250 Lpm ^C
4.4	Rinse Pump Capacity ^C	4.0 Bar @ 100 Lpm ^C	4.0 Bar @ 150 Lpm ^C	4.0 Bar @ 250 Lpm ^C
4.5	Wash Tank Heating (3-Ph)	9.0 Kw	12.0 Kw	18.0 Kw
4.6	Rinse Tank Heating (3-Ph)	9.0 Kw	12.0 Kw	18.0 Kw
4.7	Heat-Up Time (approx.)	60 ~ 90 mins	60 ~ 90 mins	60 ~ 90 mins
4.8	Wash Temperature (Max)	60 ~ 70 deg-C	60 ~ 70 deg-C	Continuous
4.9	Wash Duration (approx.)	Continuous	Continuous	Continuous
4.10	Rinse Duration (approx.)	Continuous	Continuous	Continuous
4.11	Exhaust Fan (Option)	1.0 m³/ min	1.5 m³/ min	2.0 m³/ min
4.12	Equipment Weight (Est.)	1500 Kg	1800 Kg	2400 Kg
5.0	Utilities Requirements			
5.1	Electrical Supply ^D	380 ~ 400 Volts ^D	380 ~ 400 Volts ^D	380 ~ 400 Volts ^D
5.2	No. of Phase/ Frequency ^D	3-Phase/ 50 Hz ^D	3-Phase/ 50 Hz ^D	3-Phase/ 50 Hz ^D
5.3	Connected Load (Max)	45.0 Kw (TPN+E)	60.0 Kw (TPN+E)	75.0 Kw (TPN+E)
5.4	Air Supply/ Connections	4 ~ 6 Bar @ ½" BSP	4 ~ 6 Bar @ 1" BSP	4 ~ 6 Bar @ 1" BSP
5.5	Exhaust Outlet Opening	Dia. 100 mm	Dia. 100 mm	Dia. 125 mm
5.6	Drainage Outlet	Dia. 50 mm	Dia. 50 mm	Dia. 50 mm

Machine specifications are subject to change without prior notice.

NOTE: ^A All other sizes can be offered as an option.

^B These dimensions are based on standard loading height but may change due to washparts height.

^C Based on approximate maximum pump capacity.

^D All other electrical power supply can be offered as an option.