

■ EUROPE MAKINE

Conveyor tunnel car wash

Conveyor tunnel system

The vehicle moves and the machinery stays put. The tunnel is built to the length of the bay available, from 9 to 30 metres.

9-30_m

System length

30-60_{veh/hr}

Washing capacity

220_{cm}

Maximum vehicle width



How it washes

A conveyor pulls the vehicle through the tunnel. The equipment stays where it is and works on the vehicle as it passes, so capacity follows conveyor speed. The published capacity is 30 to 60 vehicles an hour, by model and speed.

A centralised industrial PLC runs the line. Vehicles pass through pre-soak, power brushing, protectant and drying in order. The tunnel is modular, so the same line is built at 9 metres or at 30. It takes vehicles up to 220 cm wide and 250 cm high.

Pre-soak

Chemical is laid on the vehicle before a brush reaches it. A dosing pump feeds the shampoo, foam and varnish systems.

Protectant

Varnish is laid by the same dosing system, after the wash stages and before drying.

Vehicle handling

Photo-optical operation starts the wash. The conveyor runs on a speed controller, with collision control and stop buttons at both ends.

Power brushing

A horizontal brush system with digital pressure control, soft start and soft stop on all brushes. The number of brushes is not published.

High-velocity drying

Overhead blowers of 2 × 3 HP track the vehicle profile. Side blowers of 2 × 5.5 HP are fixed at multiple angles. Both are customisable.

Operator panel

A digital panel with a colour screen sets the programme and counts washed vehicles.



A conveyor tunnel in service. Dryer blowers on the near gantry, brushes and a vehicle further down the line, with the conveyor track set into the floor between the guide rails.



Power brushing. Two side brushes and a top brush work a vehicle as the conveyor carries it through.

Specification

Measurement	Unit	CONVEYOR TUNNEL
System length	m	9 - 30, fully modular
Washing capacity	vehicles/hour	30 / 45 / 60, by model and speed
Maximum vehicle width	cm	220
Maximum vehicle height	cm	250
Overhead drying power	HP	2 × 3, profile-tracking
Side drying power	HP	2 × 5.5, fixed multi-angle
Automation		Centralised industrial PLC

Drying power is customisable on both axes. Europe Makine publishes no model code for this machine and does not publish the number of brushes, so neither is given here.

Figures and standard equipment as published by Europe Makine on the conveyor car wash product page at europemakine.com. Nothing on this sheet is estimated, rounded or taken from another model.

Standard equipment	Detail
Horizontal brush system	Digital pressure control
Conveyor speed controller	Adjustable, fast to slow
Chemical dosing pump	Shampoo, foam, varnish
Digital operator panel	Colour screen
Soft start and soft stop	All brushes
Vehicle counter	Washed vehicles
Photo-optical operation	Touchless
Collision control	Standard
Indoor lighting	Standard
Emergency start and stop	Entrance and exit
Brush and exterior colours	Options

What the site needs

9-30_m

System length

220_{cm}

Maximum vehicle width

250_{cm}

Maximum vehicle height

2×3_{HP}

Overhead drying power

2×5.5_{HP}

Side drying power

Services to bring to the machine

Automation Centralised industrial PLC

Overhead drying motors 2 × 3 HP

Side drying motors 2 × 5.5 HP

Electrical supply Not published

Water supply Not published

Compressed air Not published

Supply voltage, installed power, feedwater pressure and air are not published for the conveyor tunnel. They follow the modules specified for your bay and are confirmed with the proforma.

Published values for the machine, not a site survey.
Water, power and drainage at your site are confirmed during the proforma stage.

Vehicles the tunnel takes

System length 9 – 30 m, fully modular

Washing capacity 30 / 45 / 60 vehicles/hour

Maximum vehicle width 220 cm

Maximum vehicle height 250 cm

Running consumption, per vehicle

Water, electricity and chemical consumption are not published for this machine. They depend on the modules fitted and the programme run, and we give them with the proforma.

Supplied with the machine

Door to door shipping, installation, and six months warranty, as published with the machine.



Europe Makine

Europe Makine builds car wash, truck and bus wash systems and installs them in the United States from its Florida base. The machines on this sheet are manufactured to the same specification we install and service ourselves.

We manufacture the machine

Car, truck, bus and rail wash systems, built to the published specification.

We ship and install it

Door to door shipping and installation are supplied with the machine.

We warrant it for six months

Six months warranty from installation, as published with the machine.

The next step is a proforma

Send us the bay length you have and the vehicles you expect to wash. We will come back with a proforma quotation for the machine, shipping and installation. There is no charge for it.

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