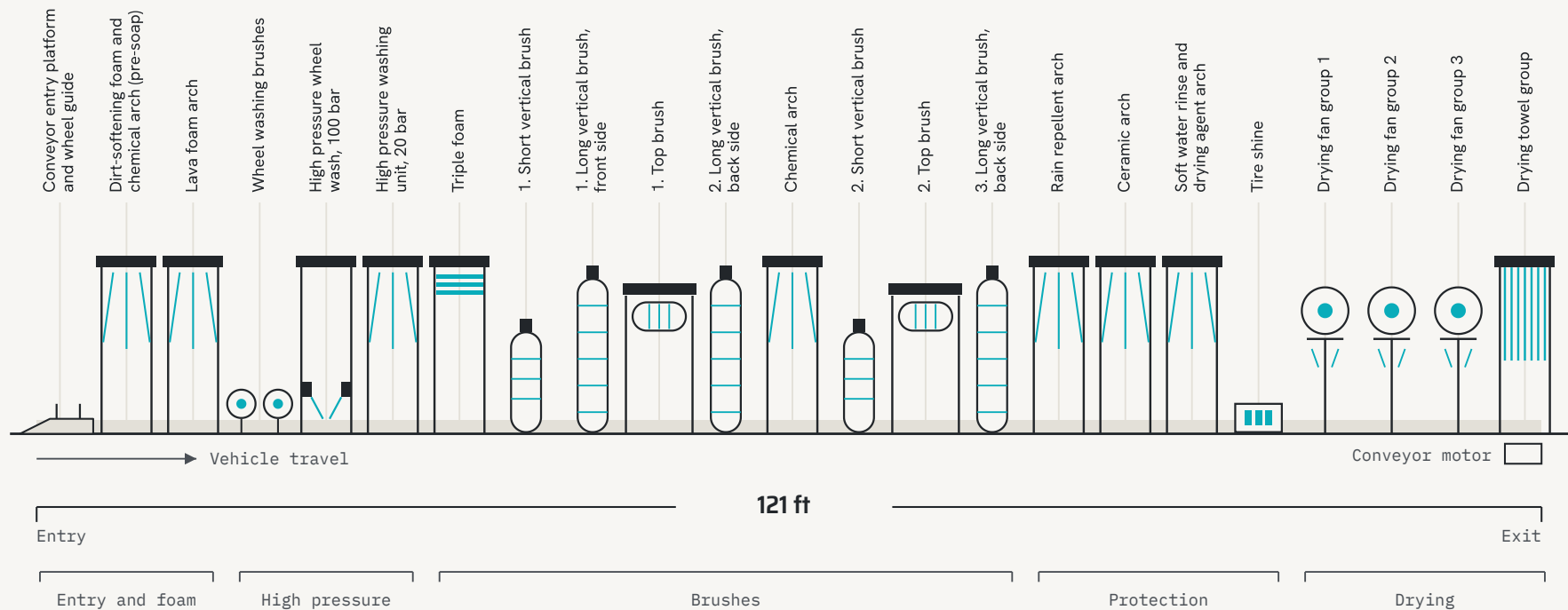


121 ft conveyor tunnel, general arrangement



121ft

Overall length

220cm

Maximum vehicle width

250cm

Maximum vehicle height

30-60vehicles/hour

Washing capacity

Stage sequence and equipment as set out on the Europe Makine general arrangement drawing for the 121 ft conveyor tunnel. Vehicle width, vehicle height and washing capacity as published for the Conveyor / Tunnel System on europemakine.com. Schematic: stage spacing is not to scale.

What happens at each stage

The vehicle moves and the machinery stays put. A centralized industrial PLC runs the sequence, entry to exit.

Conveyor entry platform and wheel guide

The vehicle is driven onto the conveyor and the guide sets the wheel on the track.

High pressure wheel wash, 100 bar

Water at 100 bar is directed at the wheels and the lower body.

1. Long vertical brush, front side

A full height side brush washes the front side of the vehicle.

2. Short vertical brush

The second short side brush works the lower panels after the chemical arch.

Ceramic arch

A ceramic product is laid over the paint before the final rinse.

Drying towel group

Cloth strips at the exit take off the water from the car. This is the Europe Makine general arrangement drawing for the 121 ft conveyor tunnel. The tunnel is modular, so the equipment fitted is set per site at the proforma stage.

Dirt-softening foam and chemical arch (pre-soap)

Chemical foam is laid over the vehicle to soften road dirt before anything touches the paint.

High pressure washing unit, 20 bar

Water at 20 bar washes the whole vehicle before the brushes reach it.

1. Top brush

The first overhead brush passes across the hood, roof and trunk.

2. Top brush

The second overhead brush makes another pass across the hood, roof and trunk.

Soft water rinse and drying agent arch

Soft water rinses the vehicle and a drying agent makes the water sheet off.

Lava foam arch

A second arch covers the vehicle in heavy colored foam.

Triple foam

Three colored foams are laid over the vehicle ahead of the brush stages.

2. Long vertical brush, back side

A full height side brush washes the back side of the vehicle.

3. Long vertical brush, back side

The last full height side brush finishes the sides of the vehicle.

Tire shine

A dressing is applied to the tire walls at floor level.

Wheel washing brushes

Brushes at floor level work the wheels on both sides.

1. Short vertical brush

The first short side brush works the lower body panels.

Chemical arch

An arch between the brush sets puts fresh wash chemical on the vehicle.

Rain repellent arch

A rain repellent is applied so water beads and runs off the glass and paint.

Drying fan groups

Three fan groups blow the water off the roof, glass and sides.