

Automatic Railway Tunnel Wash machine ARTW – V1



High Speed and Quality

Automatically

- ✓ ... washes the floor
- ✓ ... washes the walls
- ✓ ... adjusts position of the nozzles
- ✓ ... avoids the obstacles



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ARTW-V1 is ...

1

... a machinery to automatically wash the floor and walls of railway tunnels with high speed and quality



ARTW-V1

- ... can be connected to standard railway vehicles
- ... can wash the tunnel with the maximum speed of 5 km/h
- ... equipped with a 6 m³ water tank
- ... equipped with a 40 KVA power generator
- ... can wash up to the height of 2 meters from the floor
- ... can provide up to 170 liter/minute and 150 bar
- ... automatically adjust position of the nozzles
- ... uses ultrasonic and infra-red sensors and robotic arms
- ... equipped with a handheld water gun

ARTW-V1 nozzles

2



1

2

3

3 robotic arms, each with 3 nozzles, to wash the wall

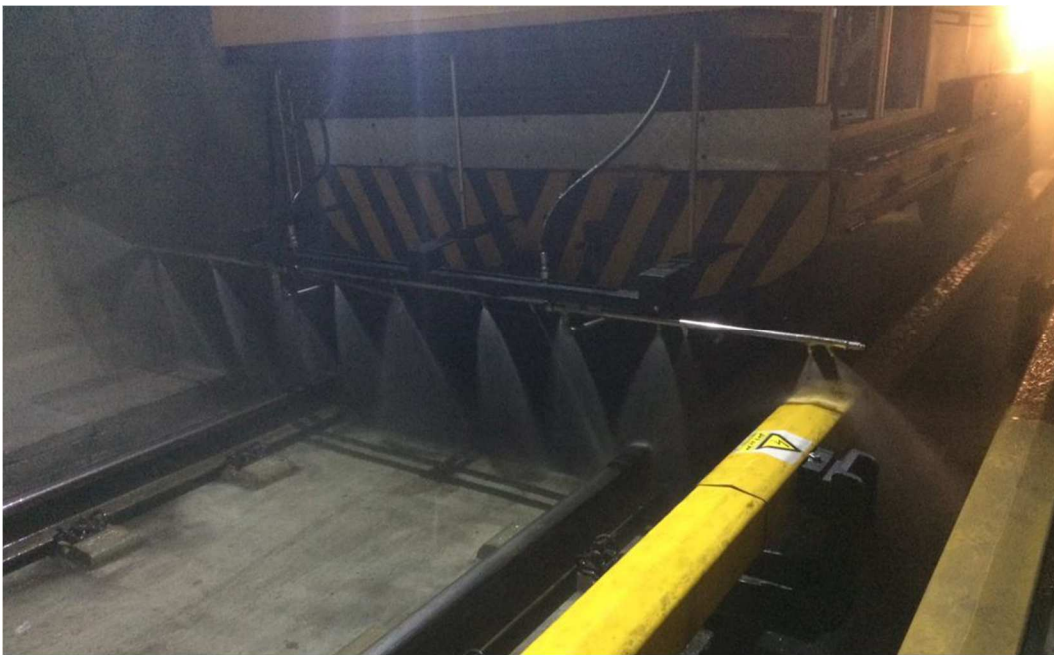
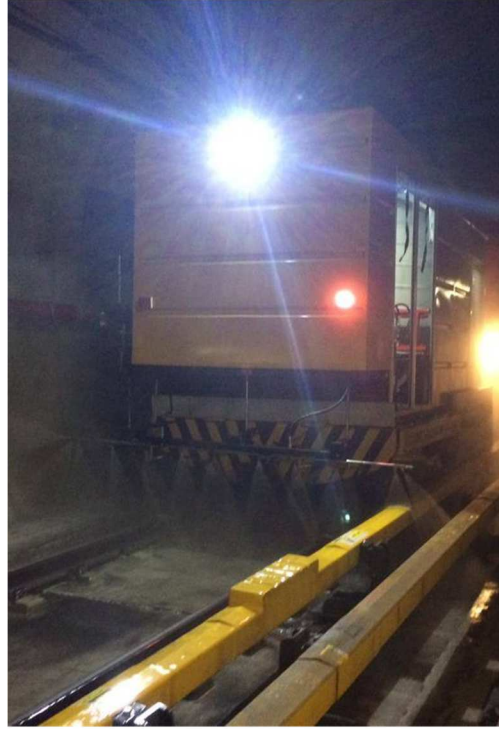
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A robotic arm with 15 nozzles, to wash the floor

Washing the floor

3

with 15 nozzles



Washing the walls

4

with 9 nozzles



... and the handheld water gun to make it perfect!

5



Could it
be
easier?



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