

ARC 3000®



AIRPORT RUNWAY CLEANER



The ARC 3000® can be used professionally for rubber and paint marking removal, roughening of road surfaces as well as road and runway cleaning.

AVERAGE CLEANING RESULTS:

Rubber removing from asphalt or concrete surfaces \varnothing 2,800 m²/h

Demarcating of traffic signs and lines \varnothing 260 m²/h

TECHNICAL DATA

Controls and settings from driver's cabin

- Monitor for 4 cameras mounted before and behind the surface cleaner at the rear side, one behind the side cleaner and one for reverse driving
- RPM counter on each surface cleaner to show the rotation speed of the nozzles
- Pressure gauge for the working pressure
- Joystick for forward and reverse movement
- Potentiometer to set the driving speed during operation
- Setting of the rotation speed of each surface cleaner (rpm)
- Setting of suction operation (rpm of the blower)
- Setting of working pressure (1,000 to 2,500 bar)
- Activation of each surface cleaner separately (ON/OFF)
- Control of all hydraulic circuits (pressure and temperature)
- Control of all parameters of the auxiliary diesel engine
- Booster line control (pressure and temperature)
- Control of water level in the fresh water tank



Unique 12" flat screen to control and operate the system.



TECHNICAL PARAMETERS

TRACTOR

3-axle chassis – 6 x 2

SEMI TRAILER

3-axle trailer (3 x 9 tons),
last axle steerable

ULTRA-HIGH-PRESSURE PUMP

400 kW, P max. 2,500/3,000 bar
Q max. 88 l/min.

SPEED DURING OPERATION

3 to 80 m/min, stepless adjustable

MAX. WORKING WIDTH

3,000 mm

SUCTION / AIR BLOWER

15,000 m³/h, free air flow
and – 0.15 bar

ROTATION OF NOZZLES

0-2,000 RPM, stepless adjustable
for each cleaning device separately

TANK VOLUME

18 m³ fresh water tank,
19 m³ waste water tank

The ARC 3000® is the world largest system designed for professional runway cleaning with non-stop working time of 3,5 hours and a working width of 3,000 mm.

A powerful high-pressure pump generates working pressures of up to 2,500/3,000 bar and a flow rate of up to 88 l/min.

The 4 cleaning devices, 3 at the rear with a working width of 800 mm and one on the driver's side with a working width of 600 mm, can be individually activated and deactivated.

Our systems consume the lowest water quantity per treated m² and create the lowest stress for the runway surface. This is granted by an extreme high nozzle speed. High rotating speed of the nozzles create high-speed drops and not aggressive jets.

Our up-to-date software protects the system and every treated surface.