

ARC 1600[®]



AIRPORT RUNWAY CLEANER



The ARC 1600[®] can be used professionally for rubber removal on runways and demarking applications.

AVERAGE CLEANING RESULTS:

Runway Rubber Removal \emptyset 2,000 m²/h

Cleaning of surfaces
(e. g. drainasphalt) \emptyset 3,700 m²/h

Demarking of traffic lines \emptyset 3,000 m/h

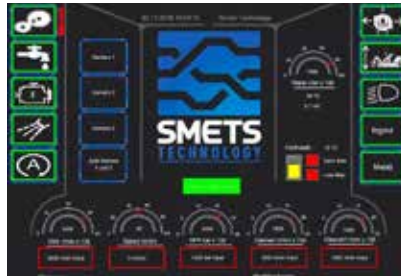
TECHNICAL DATA

Controls and settings from driver's cabin

- Monitor for 2 cameras mounted at the rear side and behind the cleaning device of the vehicle
- RPM counter on each surface cleaner to show the speed of the nozzle bars
- 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 every surface cleaner (rpm)
- Setting of the suction operation (rpm of the blower)
- Setting of the working pressure (1,000 to 2,500 bar)
- Switch for every surface cleaner ON/OFF
- Control for all hydraulic circuits
- Control of all parameters of the auxiliary diesel engine
- Pressure gauge for booster pressure
- Control of water temperature
- Control of water level



Even the expansion joint material has not been destroyed



All settings and all controls can be managed by one central control board – a 12" flat screen monitor with touch screen function



One of our features are the efficient and clean installation of the booster line (stainless steel) with a huge, final water filter and a filter inlay of 1 or 0.45 micron

TECHNICAL PARAMETERS

CHASSIS

3- (standard), 4- or 5-axle chassis

ULTRA-HIGH-PRESSURE PUMP

250 kW, P max 2,500/3,000 bar

Q max 53 l/min

SPEED DURING OPERATION

3 to 80 m/min, stepless adjustable

MAX. WORKING WIDTH

1,600 mm, (OPTIONAL – additional demarking device on second side)

SUCTION / AIR BLOWER

16,800 m³/h, free air flow and - 0.15 bar

ROTATION OF NOZZLES

0-2,500 RPM, stepless adjustable for every cleaning device

TANK VOLUME

17 m³ standard, optional up to 20 m³

Every runway surface face heavy rubber (carbon black) deposits under a certain traffic load (movements of aircrafts). These deposits are burned into the surface at 2,000° C when the tyres of the landing aircraft are accelerated within parts of a second from ZERO to landing speed.

The closed pores and the rubber/carbon layer cause a huge danger in case of rain – these deposits cause extreme danger of aqua planing.

The ARC 1600® is designed to solve these requirements and restore sufficient friction values without

damaging the macrotexture.

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 speed create drops and not aggressive jets. The up-to-date software protects the system and every treated surface.



Small inaccessible areas can be handled with the hand cleaner MCD 360.