

SMETS Technology – German know-how and technology for airport runway and road surface retexturing, cleaning and demarking



Benefit from over 40 years of practical experience in airport maintenance!

OUR TECHNOLOGICAL LEAD IS YOUR BENEFIT

UNIQUE GERMAN TECHNOLOGY

- Unique technology of jetting the surfaces by scattered water drops of ultrahigh speed
- Due to less water amount and pressure in the system needed, SMETS technology significantly reduces impact and stress of any cleaned surface
- Cleaning nozzles made of hardened steel (no sapphire)
- Cleaning nozzles rotating in the highest speed (up to 470 km/h)
- Regulation of the working pressure by SMETS software (no valves = absolutely no wear/costs)
- Unique means just unique – SMETS is proud to take the TECHNOLOGICAL LEAD in retexturing of road and runway surfaces (... ask other suppliers to do what we can do)

OUTSTANDING PERFORMANCE

- Maximum cleaning performance with durable „friction values” and highest hourly output
- No surface damage due to self-monitoring, intelligent control system
- SMETS powerful Retexturing and de-rubberizing „jetting device” of 1 000 mm (1500 mm optional) and Side demarking device of 360 mm along with the optional installations of ARC 1000 provide in total the most versatile airport cleaner in the world
- Vehicle options depending on operator desired adjustment:
 - up to 2 800 mm – efficient Sweeping device (in vehicle central part)
 - 2 400 mm – efficient Rear grit suction & washing device (in vehicle rear part)
 - 2 200 mm – efficient Permanent magnet device (in vehicle front part)

VERSATILE, EASY TO USE AND GENTLE

- User-friendly, hi-tech compact design with smart and centralized control of the whole system via 12” color touchscreen >> adverse weather never affects vehicle’s or driver’s operating capability
- Gentle surface treatment and the easiest operation >> each cleaning device can be (de-) activated individually and in emergency vehicle can leave runway in 10 seconds
- No use of chemicals or abrasive additives >> environmental and resource-saving ultrahigh water pressure (UHWP) technology
- Individually adjusted equipment with flexible realization through large production network >> the only supplier with up to 11 optional extras available for all vehicles (from ARC 1000 to ARC 3500)

SMETS TECHNOLOGY GMBH

Handwerkerstrasse 5a, 15366 Hoppegarten, GERMANY

Phone +49 (0)3342 508 95 40, info@smets-technology.com, www.smets-technology.com

OUTSTANDING RELIABILITY AND LIFESPAN

- 4 years warranty on superstructure
- 10 years warranty against rusting or deformation of the tanks (all parts coming in contact with water are solely from non-corrosive materials)
- The only supplier with lifetime of nozzles of more than 50 hours
- SMETS vehicles work permanently reliably even at very high temperatures (electronic and hydraulic system was tested for the ambient temperature of 55 degrees of Celsius)
- Worldwide partner network in more than 50 countries

THE LOWEST TOTAL COST OF OWNERSHIP (TCO)

- „SMETS TECHNOLOGY“ guarantees outstanding annual costs saving >> the lowest water consumption and the lowest operating and after-sales costs of all worldwide available systems
- SMETS´ annual wear and spare part costs are less than 3,5 % of the investment for the superstructure parts
- SMETS´ first ARC SYSTEM (ARC 1000 – prototype !) sold to Hanoi airport 13 years ago is smoothly operating until today (with overall superstructure costs of the 13 years of less than 30 000 EUR)
- maintenance costs of vehicle of competitor are about 4 to 5 times higher each year and such operator will experience at least 100 000 EUR of extra costs in next 5 years following the year of purchase



SMETS ARC 1000

The SMETS “ARC SYSTEMS” are the world leading technology for rubber removal, roughening, retexturing and for marking removal of the runway and road surfaces.

The ARC 1000® is a compact, versatile and easy to maneuver vehicle (6x2 chassis) with a very high performance. Each of the cleaning device can be activated or deactivated individually from the driver.

ARC 1000® is the basic model with the longest operational experience of many reputable airport customers including air forces and can be equipped with the various water pumps to meet specific cleaning performances.



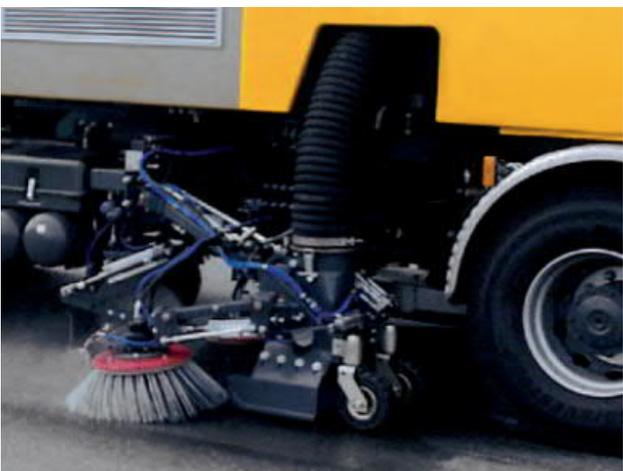
Retexturing and de-rubberizing „jetting devices“ (1 000 mm and 360 mm)

- can be used as main de-rubberizing and retexturing device
- can be used as main demarking device



Rear grit suction & washing device (2 400 mm)

- can be used as water and vacuum cleaning device



Sweeping device (up to 2 800 mm)