

- AIRPORT RUNWAY CLEANING SYSTEMS
- ROAD MARKING REMOVAL
- RETEXTURING TECHNOLOGIES



PURE WATER POWER TECHNOLOGY.
MADE IN GERMANY.

GENTLE. CLEAN. SAFE. SMETS.

Our high-tech systems clean runways at airports, remove road markings and roughen road surfaces.

The ECO-friendly SMETS technology is in use worldwide. With German know-how and only the power of water, our systems reliably clean even the largest surfaces – without chemicals or abrasive additives.



YOUR ADVANTAGE: OUR KNOWLEDGE ABOUT WATER UNDER PRESSURE



**45 years of practical experience + use of future technologies
= innovative solutions by SMETS**

- Environmental and resource-saving ultra-high-pressure hydropower technology
- Lowest water consumption per m² processed
- Maximum cleaning performance
- Gentle surface treatment with fastest working speed and easiest operation
- No use of chemicals or abrasive additives
- Lowest operating and follow-up costs worldwide
- Permanent reliability even at ambient temperatures of up to 55° C
- Attractive and user-friendly Hi-tec compact design
- 4 years warranty on super-structure (except high-pressure pump + chassis)
- 10 years warranty against rusting or deformation of the tanks
- Individual equipment – flexible realization through large production network
- The only supplier with up to 12 optional extras on all vehicles
- Worldwide partner network in more than 50 countries



WHY SMETS TECHNOLOGY? BECAUSE WE HAVE A CLEAN ANSWER TO EVERY REQUEST!



SMETS Technology GmbH, based near Berlin, combines expert knowledge from all over Germany. Together with our partners, we build individual high-performance vehicles for professional surface treatment using high-pressure water.

Since 1975, the founders of SMETS Technology have relied on environmentally friendly and resource-saving ultra-high-pressure technology for cleaning runways and roads.

The result is a product line that perfectly adapts to every customer requirement in terms of design and technology.

The basis of the cooperation is always an intensive personal consultation.

A specially configured high-performance vehicle is then created in line with your requirements.

On request, we mount your vehicle on a local chassis.

After delivery, your drivers are carefully trained on the job how to achieve optimum performance with minimum energy consumption in daily practice.

And to ensure that everything runs reliably in the long term, you can rely on our competent after-sales service around the clock.

The SMETS strategy is successful. Well-known references - these can be named on request - and after-sales speak for our high customer satisfaction.



Stephan and Karl Smets

OUR PRODUCT RANGE

- Runway and road cleaning vehicles with high-pressure water pumps (up to 3,000 bar) such as ARC 0800®, ARC 1000®, ARC 1600®, ARC 2400®, ARC 3000® and ARC 3400®
- Demarking vehicles (road marking removal) such as MRT 300/1 and MRT 300/2
- Oil spilling removal vehicles such as OSC 5000 and OSC 7000
- Friction Tester



ARC 0800®



Cleaning result on
asphalt runway



MRT 300/2 in operation in DUBAI, UAE

WE CLEAN WITH NOZZLE SPEEDS OF MORE THAN 400 KM/H

Our systems love the challenge! Environmentally friendly, even large areas are cleaned gently and consistently using only the power of water. And always without chemicals and / or abrasive additives.

We know from 45 years of practical experience how we can use the power of water under the highest pressure to effectively remove even stubborn dirt, paint or deposits.

Extremely high nozzle speed of

more than 400 km/h allows the gentlest treatment of the surfaces.

The droplets produced in this way hit the surface with so much energy that all coatings are gently removed.

Unlike a slow, constant water jet,

however, there is no volume that could fill cracks or cavities and lead to breakouts or serious damage.

Our systems are compact (2-, 3-, 4- or 5-axle trucks). No pre-fitting or retrofitting is required to carry out work. Any construction site can be left within 10 seconds without leaving any residue or standing water.

A powerful, maintenance-free suction fan with hardened impeller ensures an extremely high air velocity and a large air volume (more than 16,000 m³/h) and guarantees that no undissolved substances remain on the work surface. High-performance high-pressure pumps from well-known manufacturers are used, which generate working pressures of up to 3,000 bar.

Our unique control system prevents the unit is damaged by incorrect operation. Our intelligent control technology avoids damage to the surfaces to be processed.

The entire system is controlled and monitored via a 12" flat screen with touch screen function. Error messages are displayed YELLOW in an early warning system. After touching the warning message on the display, the operator receives clear instructions in his native language.

If the early warning level is ignored, the system switches off at Reaching even more critical values at warning level RED and the whole system will be deactivated.



Largest system worldwide with 3,400 mm working width on a 4-axle chassis

OUR STANDARD EQUIPMENT:

MARKING REMOVAL:

All systems (ARC 0800 - ARC 1600) are supplied with an optional marking removal device (working widths from 150 to 360 mm).

TOOL:

Professional tool set in tool trolley (including special pump tool).

WARRANTY:

4 years warranty on our superstructure (except high-pressure pump and chassis).

REMOTE CONTROL:

All systems are equipped with a radio remote control for opening/closing and locking/unlocking the tailgate and for tilting the tank.

If a hand cleaner MCD 360 is ordered, the wireless remote control will be extended to a 10-channel system. The MCD 360 handset can be remotely controlled by one person alone (pressure ON/OFF and pressure UP/DOWN).

TRAINING:

10 days training at the end customer's premises.

WASHING DEVICE:

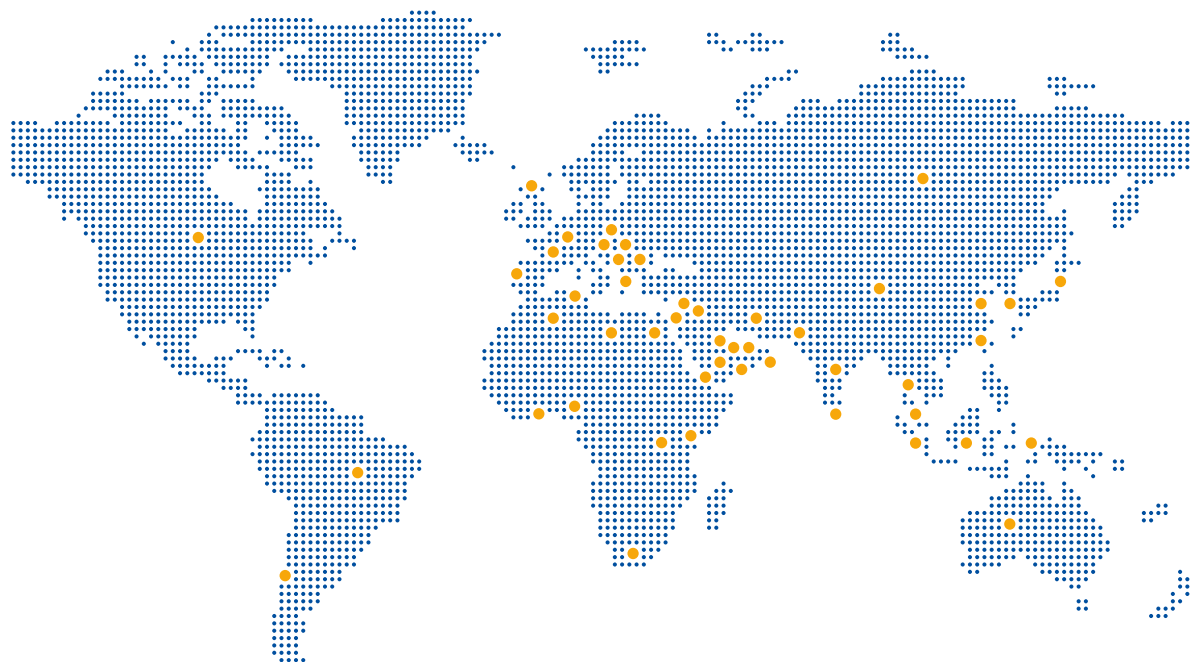
VA hose reel with high-pressure hose and special washing nozzle fed by the booster pump.

POSSIBLE OPTIONS

	ARC 0800®	ARC 1000®	ARC 1600®	ARC 2400®	ARC 3000®	ARC 3400®	MRT 300/1	MRT 300/2
↗ Hand cleaner MCD 360 controlled by wireless remote control	X	X	X				X	X
↗ Fire extinguisher with console and installation box	X	X	X	X	X	X	X	X
↗ Front-mounted marking removal device, 360 mm, slidable and swingable over the entire vehicle width	X	X	X	X			X	X
↗ Additional construction of a walk-in workshop between tank and driver's cabin		X	X				X	
↗ Permanent magnet mounted under the front of the vehicle – controlled from driver's cabin	X	X	X	X	X	X	X	X
↗ Water recycling – partly possible until critical temperatures are reached	X	X	X	X		X	X	X
↗ Additional high-pressure washing device with a second high-pressure pump and capacities of up to 200 bar and 100 l/min	X	X	X	X	X	X	X	X
↗ Sweeping and suction gear unit mounted on the opposite side of the cleaner – Sweeping width up to 2.8 m		X	X					
↗ Rear grit suction and washing unit up to 200 bar; High pressure washing with simultaneous complete suction (cleaning down to the pores)		X	X				X	X
↗ Rear suction hose DN 200 with pneumatically supported extension arm	X	X	X	X		X	X	X
↗ Larger tanks	X	X	X	X		X		X
↗ Line Laser	X	X	X	X	X	X	X	X

PARTNER NETWORK

Australia • Austria • Brazil • Egypt • France • Greece
Hong Kong • Hungary • India • Indonesia • Iraq
Ireland • Israel • Italy • Japan • Kuwait • Malaysia
Nepal • Nigeria • Oman • Pakistan • Philippines
Poland • Portugal • PR China • Qatar • Romania
Russia • Saudi Arabia • Serbia • Singapore • South
Africa • South Korea • Spain • Sri Lanka • Taiwan
Thailand • Turkey • United Arab Emirates • USA
Vietnam • etc.



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