







SUNBRUSH MOBIL ABOUT US

The best technologies arise from practice, for practice. When specific problems need to be solved. And when creative minds, technology enthusiasts and competent users are just no longer satisfied with the status quo. Even the invention of the SunBrush® mobil solar cleaning system goes back to such a problem situation. It was here, of all places, in the sun-drenched mountainous Allgäu region, where the first SunBrush® mobil was built; the heavy snowfall in 2008 prevented Franz Ehleuter's photovoltaic system from producing any significant yield in winter.

Not a long-term option, thought Ehleuter, who then developed the SunBrush® mobil, a solar cleaning system suitable for removing dirt, bird droppings and dust from the modules. What was first carefully conceived and tested on the home barn as a cleaning device for smooth surfaces, quickly won over an entire industry. The products were patented, while renowned manufacturers of solar modules became enthusiastic about their quality and went on to recommend them for use on their modules.

TrackFlex Features

1 TrackFlex Effect

The TrackFlex Ram enables boom angle adjustment, which offers effective cleaning of tracking systems all day long. It also caters for narrow row width as the carrier vehicle is brought closer to the panels. Operates in narrow rows as well.

3 Transport Position

Hydraulic ram allows for the folding of the SunBrush on the right hand side of the carrier vehicle for safe transport. Controlled from the SunBrush Joystick.

5 Freely Pivoting

The brush system is suspended via a freely pivoting hanging point. This enables the brush to self regulate its angle as the panels track throughout the day and/or ground contours change.

7 Joystick Control

Intuitive can-bus joystick control offers safe and easy operation from the vehicle cab. Various control and monitoring functions are integrated.



Our patented WashTronic levelling system offers an automatically regulating, constant and controlled pressure between the brush and panels, regardless of ground contours. Built as standard in every SunBrush, we can guarantee a consistent and even cleaning with no damage.

4 180° Cleaning

Hydraulic swivel motor design allows for cleaning on the right and left of the carrier vehicle.

6 Integrated Wet & Dry Cleaning

Water lines are built in as standard throughout the machine. Pre-soak and rinse are controlled by through the SunBrush joystick, providing a thorough clean.





Cleaning Wet Output Data*

Brush Size	3m	5m	7m
Panel Arrangement	1 Portrait	2 Portrait	3 Portrait
Driving Speed	1,5 km/h – 2,5 km/h	1,5 km/h – 2,5 km/h	1,5 km/h – 2,5 km/h
Panel / hour	1.500 - 2.500 pcs	3.000 - 5.000 pcs	4.500 - 7.500 pcs
Area output / hour	3.000 - 5.000 m ²	6.000 - 10.000 m ²	9.000 - 15.000 m ²
Water Usage	0,25 Liter per m² /	0,25 Liter per m² /	0,25 Liter per m² /
	0,5 Liter per module	0,5 Liter per module	0,5 Liter per module

*Data depends on local conditions and level of soiling (approx. values)

Cleaning Dry Output Data*

Brush Size	3m	5m	7m
Panel Arrangement	1 Portrait	2 Portrait	3 Portrait
Driving Speed	2 km/h- 6 km/h	2 km/h – 6 km/h	2 km/h – 6 km/h
Panel / hour	2.000 - 6.000 pcs	4.000 - 12.000 pcs	6.000 - 18.000 pcs
Area output / hour	4.000 - 12.000 m ²	8.000 - 24.000 m ²	12.000 - 36.000 m ²

*Data depends on local conditions and level of soiling (approx. values)

TrackFlex Accessories

HotWater 200

Water preheating unit. More effective removal of dirt, dust and grime.

Enables reduction of water usage, far superior cleaning effect.

Reduces temperature differential between water and panels - less risk of thermal shock.

Heater is powered by built in diesel tank. Mounted on IBC Carrier Console.

Flexible Adapter

Multi-purpose adapter specially designed for mounting to Avant vehicles.

Water Tank

1500 I, 2 axles



LED Lights

Working effectively at night IP 66/68 7170 Lumen / 60 W / 12- 24 V







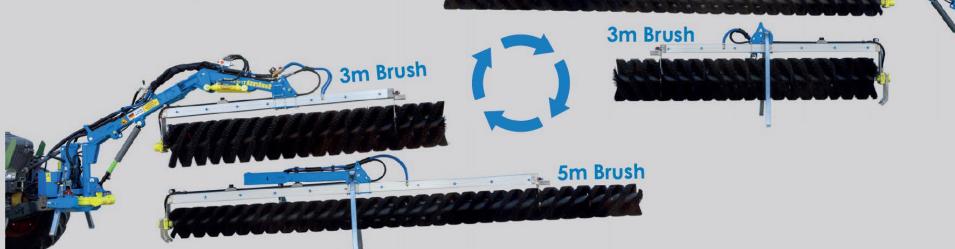


Quick change of cleaning brush boom
Optimum adjustment to different module table sizes
All brush length applicable in combination with one basic device
Interchangeable brush boom from 3m to 7.5m
Short set up/conversion time

5m Brush

Short set-up/conversion time

Maximum cost saving



Tank System

Flexible and fast water refilling
High performance motor pump
Hoses and couplings included

Water Supply Control Display

Sensor controlled monitoring

- Water flow rate
- Water pressure
- Water temperature
- Water level

SunBrush Blue

Solar panel cleaner with "Anti-limescale-formula" Stainless and spotless cleaning No expensive demineralization Biodegradable











SunBrush mobil rapid

Versatile Solar Cleaning Solution







Rapid Cleaning Concept

The length of brush boom is 4,5 m, 5m or 5,5m. Exemplary cleaning mode applicable for 8m modules tables e.g.

Cleaning path 1 - The upper area of the module table is cleaned first on the forward run Cleaning path 2 - The lower area of the module table is then cleaned on the reverse run

Special application option of SunBrush TrackFlex





SunBrush TrackFlex connected to a Tractor

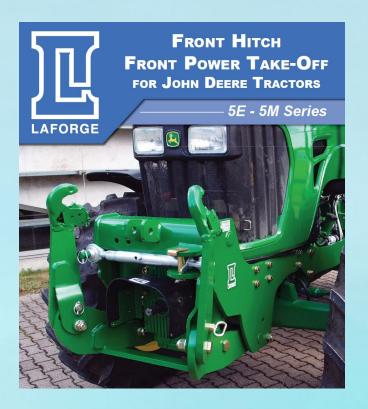


SunBrush TrackFlex connected to a Tractor



What is needed:

- · minkW
- Min I/min hydraulic oil
- Front Power Hitch



SunBrush TrackFlex connected to an Avant or similar



SunBrush TrackFlex connected to an Avant or similar

What is needed:

- Min Avant 760
- · minkW
- Min I/min hydraulic oil





SunBrush TrackFlex connected to a CARRARO for difficult terrain

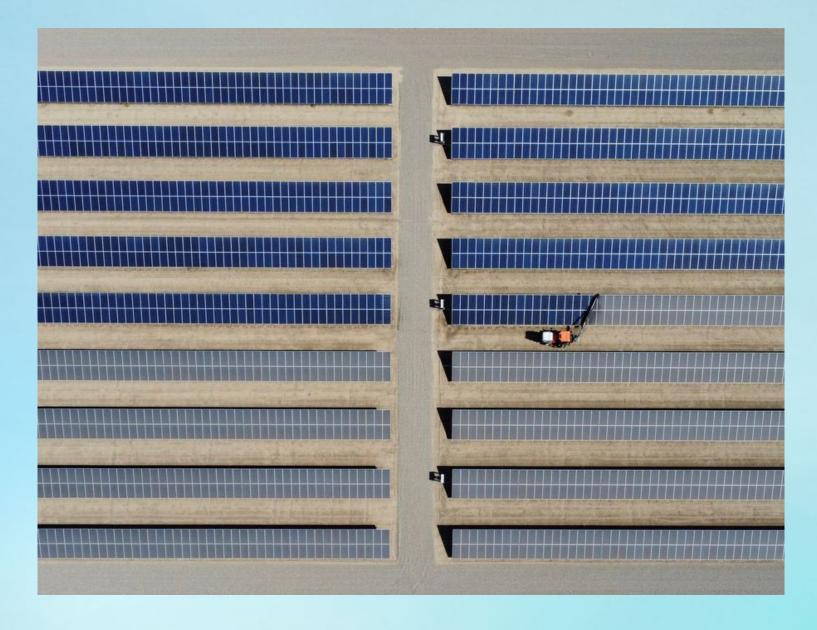
What is special:

- Carraro Mach 4
- Rubber Tracks
- Rev-Guide System















We offer individual Cleaning Systems for best Energy Efficiency!



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