

TrackFlex 3.0

Flexibility at the next level

The unique TrackFlex solar cleaning solution enables thorough cleaning of solar systems regardless of the orientation and angle of inclination of the solar modules and is therefore ideal for tracking systems.



/ Brush options

Ø 350 mm

Standard brush, for the majority of systems.



Ø 500mm

Developed for NexTracker systems. The longer bristles can be guided directly over the bearing assemblies.



Certified brush

Scan this QR code for the official study by Ulm University of Applied Sciences on wet and dry cleaning.

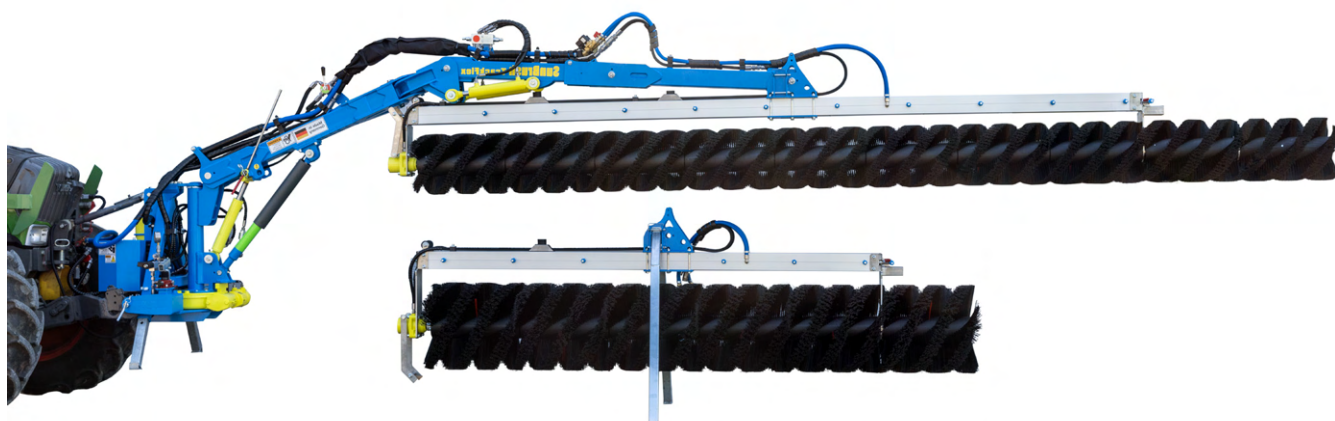
Brush length

Different brush lengths are available depending on the panel arrangement to be cleaned. Interchangeable 3-meter brush as an option. Additional extensions of 0.5 and 1 meter are also possible.

Panel arrangement	Table height	Brush length Min.
1 x vertically	2 meter	3 meter
2 x vertically	4 meter	5 meter
3 x vertically	6 meter	7 meter
4 x horizontal	4 meter	5 meter
6 x horizontal	6 meter	7 meter

Brush accessories: SunBrush Twin

The SunBrush Twin solution enables an even faster change of the cleaning brush arm for different module table sizes. The best part is that all brush lengths (3 m to 7.5 m) can be combined with the standard arm.



/ Features



WashTronic System

Automatic levelling adjustment on uneven terrain. The contact pressure between the brush and the module surface is set once and remains constant throughout the entire cleaning process. Damage to the module is therefore impossible if operated correctly.



180° Cleaning

The hydraulically swivelling motor enables cleaning on the right and left side of the carrier vehicle.



Wet Cleaning

The water pipes are built into the entire machine as standard. Double watering is possible via the joystick in case of stubborn dirt.



Transport Position

The hydraulic cylinder allows the Sun-Brush to be folded up on the right-hand side of the carrier vehicle for safe transportation. It is controlled via the SunBrush joystick.



Freely Pivoting

The brush system is suspended via a freely swivelling suspension point. This allows the brush to adjust its own angle if the panels move during the course of the day and/or the floor contours change.



Joystick Control and Display

Intuitive Can-Bus Joystick control offers safe and easy operation from the vehicle cab. Various control and monitoring functions are integrated.



TrackFlex Effekt

Enables the boom angle to be adjusted and ensures a narrow row width, as the carrier vehicle can be driven closer to the panels. Works in rows with a width of up to 2.4 m.



Accessories

Scan this QR-Code for more Information to our SunBrush Accessories.



/ Technical Data*

Drive system	Fully hydraulic
Operating temperature range	-20 / +50 °C
Oil filling	Hydraulic oil, SAE 5W30
Brush material	Mypren (polypropylene) UV-resistant
Brush diameter	350 mm or 500 mm
Control system	Proportional Can-Bus Joystick
Module overlay pressure security system	WashTronic: patented levelling / support pressure mechanism
Swivelling range	180°, Cleaning on the left and right side of the carrier vehicle possible
Spray settings for water	One-sided or double-sided spraying
Operating pressure of water system	5 Bar
Travelling speed during cleaning	1,5 - 6 km/h
Water consumption	0,25 L per m ² / 0,5 L per module
Weight	500 - 650 kg

Cleaning performance

	3 m brush	5 m brush	7 m brush
Panel arrangement	1 Portrait	2 Portrait	3 Portrait
Dry Cleaning (2-6 km/h)			
Panel/h	2.000 - 6.000 pcs	4.000 - 12.000 pcs	6.000 - 18.000 pcs
Area output	4.000 - 12.000 m ²	8.000 - 24.000 m ²	12.000 - 36.000 m ²
Wet Cleaning (1,5 - 2,5 km/h)			
Panel/h	1.500 - 2.500 pcs	3.000 - 5.000 pcs	4.500 - 7.500 pcs
Area output	3.000 - 5.000 m ²	6.000 - 10.000 m ²	9.000 - 15.000 m ²

* Data depends on local conditions and level of soiling



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SunBrush Website

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