



SunBrush *mobil* Track Flex

Versatile Solar Cleaning Solution



www.sunbrushmobil.com

**Features &
Technical Specifications**

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 rows as narrow as 2,4m.

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 tractor cab.

2 WashTronic Float System

Our patented nitrogen accumulator float system WashTronic offers constant and controlled pressure between the brush and panels, regardless of ground contours. Built as standard on every SunBrush, we can guarantee a consistent, even clean 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 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.



8 Brush Options

ø 350mm, ø 500mm Brush Options available for the cleaning of different panels and arrangements.



350mm: Brush is the most popular brush option. Designed for all fixed tilt arrays and the majority of tracking systems.

500mm: Brush is designed specifically for NexTracker systems. The longer bristles can pass straight over the bearing assemblies.



9 Brush Lengths

Different brush lengths are available depending on the array to be cleaned. Brushes are easily interchangeable and range from 3 Meter to 7,5 Meter

Panel Arrangement	Panel Table Height	Required Brush Length
Single Portrait	2 Meter	3 Meter
Double Portrait	4 Meter	5 Meter
Triple Portrait	6 Meter	7 Meter
Four Landscape	4 Meter	5 Meter
Six Landscape	6 Meter	7 Meter

10 Certified Brush

Scan this QR Code for official wet & dry-cleaning study carried out by the University of Applied Sciences Ulm.



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.



Carrier Console

Mounts on Tractor rear 3 Point Linkage. Carries water tank on pallet fork frame. Transport position fixing bars included.



Water Tank 1000 L

Intermediate Bulk Container
Robust PE material
Grid cage



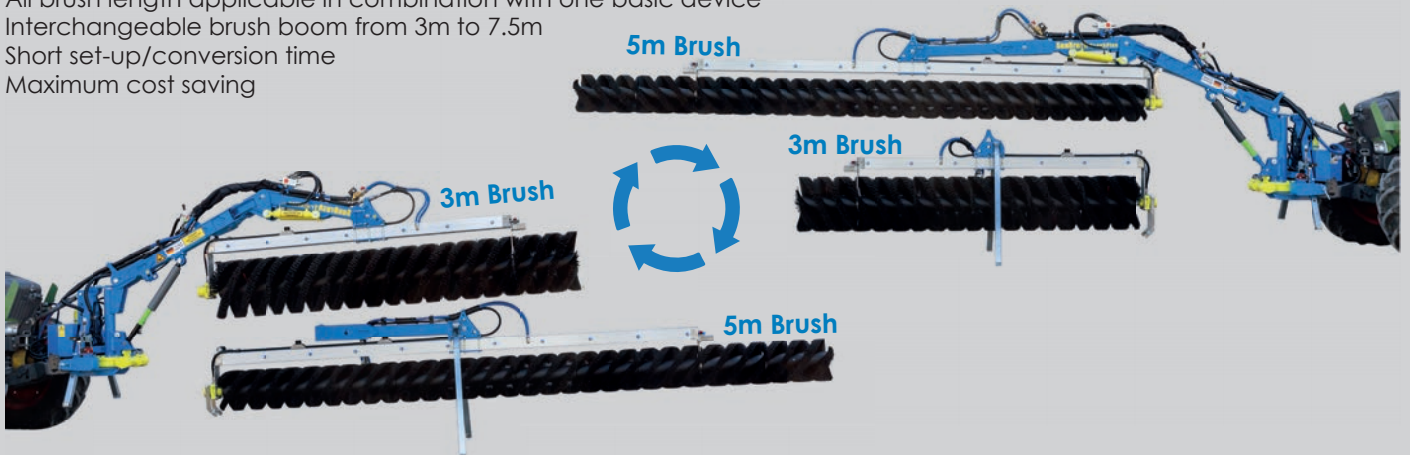
LED Lights

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



SunBrush Mobil Twin

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
Maximum cost saving



Tank System

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



Water Trailer 4000 L

Glass fibre tank
Reinforced Chassis
Balloon tyres



SunBrush Blue

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



TrackFlex Specification



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 m ² / 0,5 Liter per module	0,25 Liter per m ² / 0,5 Liter per module	0,25 Liter per m ² / 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)

SunBrush General Data

Cleaning System	Rotating bristle brush, wet or dry
Cleaning Speed	1,5 – 6 km/h
Brush Lengths	3m, 3,5m, 4,5m, 5m, 5,5m, 6m, 6,5m, 7m, 7,5m
Brush Type	350mm bristle = standard brush, for vast majority of systems 500mm bristle = NexTracker systems
Weight	500 - 650 kg
Controls	Proportional Can-Bus joystick
Float Safety System	WashTronic, patented, automated safety levelling contact pressure system
Swivel Range	180°, to enable cleaning on the left and right of carrier vehicle
Water Settings	Single or double sided, controlled on joystick



SunBrush mobil
Cleaning Systems



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