



MAZAKA
HEAVY INDUSTRY

SUNLITE

SOLAR PANEL CLEANING BRUSH



- **SL 240**
- **SL 440**
- **SL 510**
- **SL 640**



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GROUP



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The solar panel cleaning brush is an expertly designed tool that ensures the optimal efficiency and longevity of photovoltaic surfaces. Equipped with soft, non-abrasive bristles, it gently removes dust, dirt, and debris without scratching or damaging delicate panel coatings.



Engineered for ease of use, our models feature an extendable handle for accessing elevated installations, along with an integrated water-flow system for enhanced cleaning performance.



For superior control, the brush is equipped with a proportional valve, allowing precise adjustments for smooth and efficient operation. Additionally, a joystick control ensures effortless maneuverability.

Since both the tractor and brush operate with independent hydraulic oil and cooling systems, they function seamlessly without affecting each other's lifespan.

TECHNICAL SPECIFICATIONS

Brush Length	2.40 mt. / 4.40 mt. / 5.10 mt. / 6.40 mt
Brush Diameter	300 mm
Brush Material	UV-Resistant Mixture of Plastics for a Gentle cleaning of Glass Surfaces
Drive	Fully Hydraulic Tractor Requirements : 4x4 tractor with a minimum weight of 5 tons Min. 540 rpm PTO is required to operate the hydraulic and water pump.
Weight	800 kg for 5.1 mt brush
Control Unit	The 12V power supplied from battery is used to control the remote, solenoids, and valves. It enables the tower rotation, lifting – lowering, folding, brush tilt, and brush rotation movements. Water supply to the brush is controlled independently with a separate button.
Driving Speed	2.5 km/h
Carrying Bracket	Designed to attach to a three-point rear hitch, enabling quick and effortless swapping of water tanks.
Brush Speed	The brush speed should exceed 120-150 rpm. The speed can be controlled using either the accelerator pedal or the throttle located at the swivel joint.
Water Quality	Use Only Rainwater or Softened Water For The Cleaning Process. Under No Circumstances Utilize Hard Water.
Water Amount	5.1-meter brush requires 40 liters of water per minute.
Water Pump	The tractor's PTO-driven water pump delivers 200 litres per minute at 4 bar pressure when the engine is running at 540 rpm.
Tank (800 lt.)	The carrying bracket is mounted at the rear to facilitate the quick tank changing system, allowing for fast and effortless water tank replacement.
Settings For Automatic Leveling	The pressure in the buffer tank required for precision is adjusted by a valve. We recommend a setting of 5 kg per running metre of brush for frameless modules and between 5-8 kg for framed modules.

ADJUSTABLE WATER CONSUMPTION

MINI LEVER CONTROL

MODULAR DESIGN

180 DEGREE RANGE OF MOTION

CAPABILITY OF BOTH WET & DRY CLEANING



Our advanced brush stands out with its self-contained hydraulic pump, generating its own power to eliminate any additional load on the tractor, excavator, or mini loader.

APPLICATION

Tractor • Excavator • Telehandler • Skid-steer • Mini-loader • Rought terrain truck



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