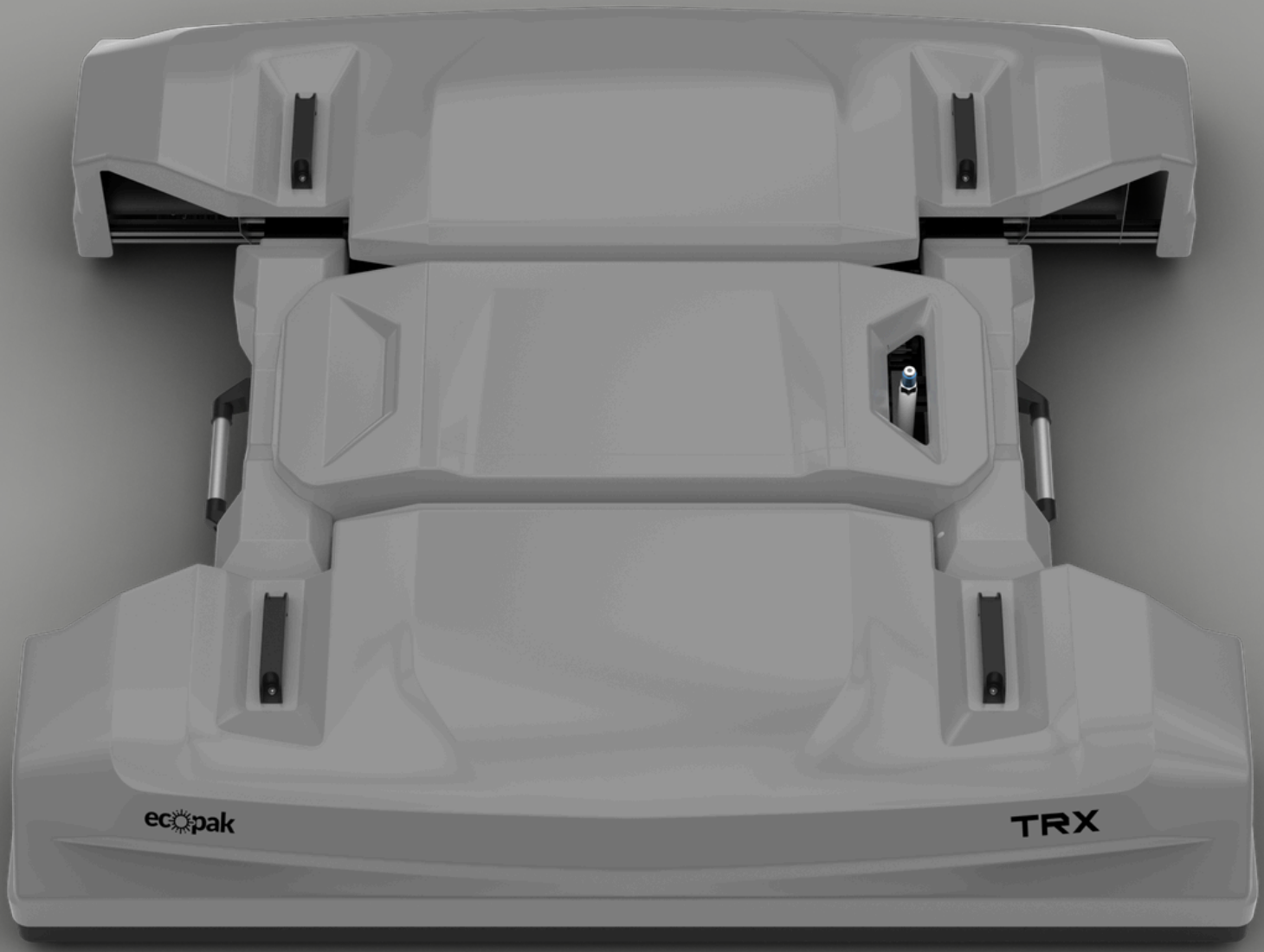
ECO-TRON

ecopak TRX

PROFESSIONAL SOLAR CLEANING ROBOT



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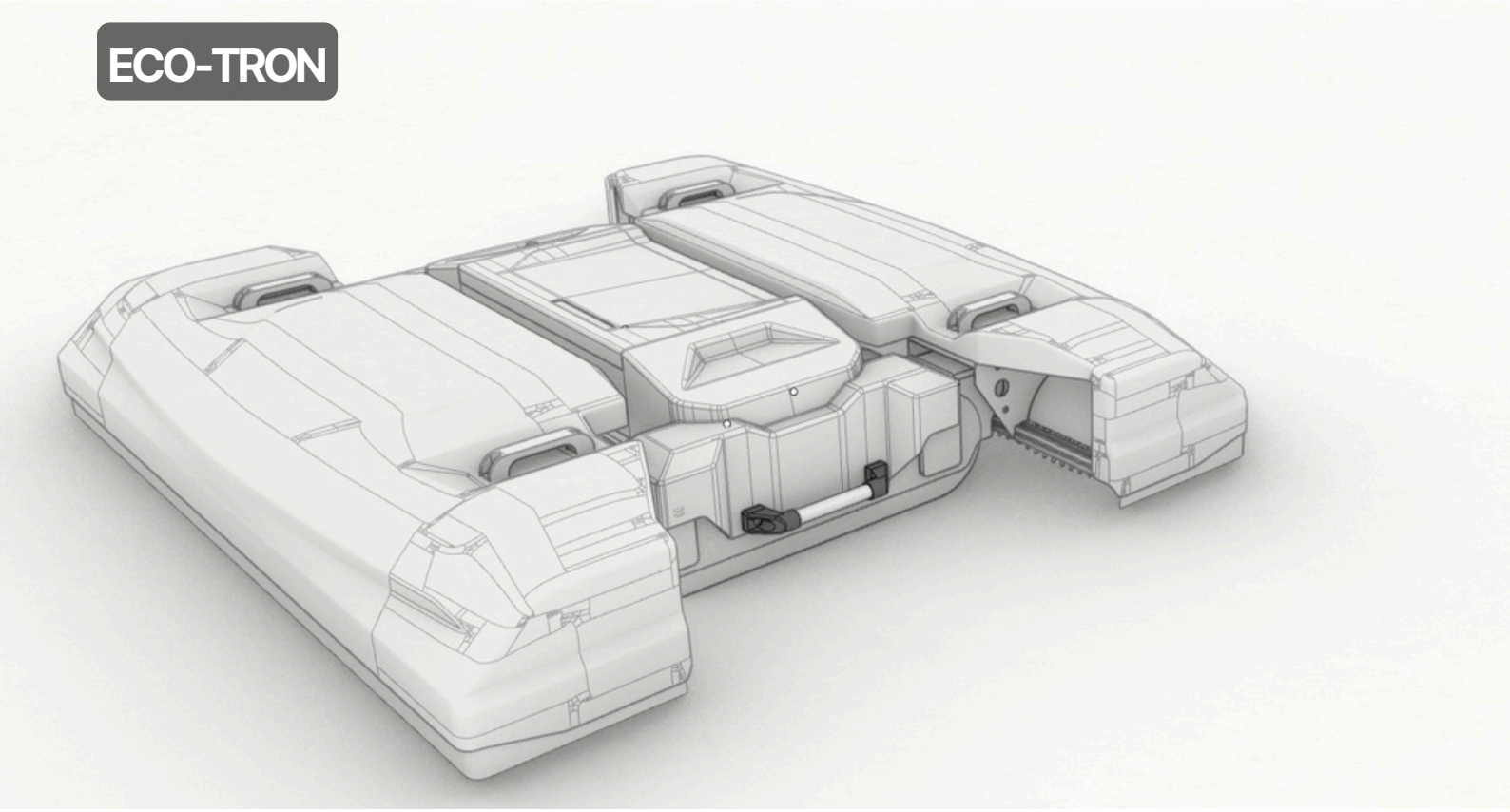

TRX

Ecopak TRX is one of the new generation solar panel cleaning robot models developed with Eco-tron engineering. TRX offers high performance with its 120 cm long, two-brush system and tracked traction system. Thanks to its special soft tracks and balanced load distribution, it does not damage the panels and effectively dampens vibrations that may be caused by surface imperfections.

Like all other Ecopak models, Ecopak TRX can also be controlled via mobile phone as an alternative to a physical remote control.

With its aluminum chassis and plastic housing, TRX's low weight, efficient motors, and high-capacity batteries allow for easy and long-lasting operation.

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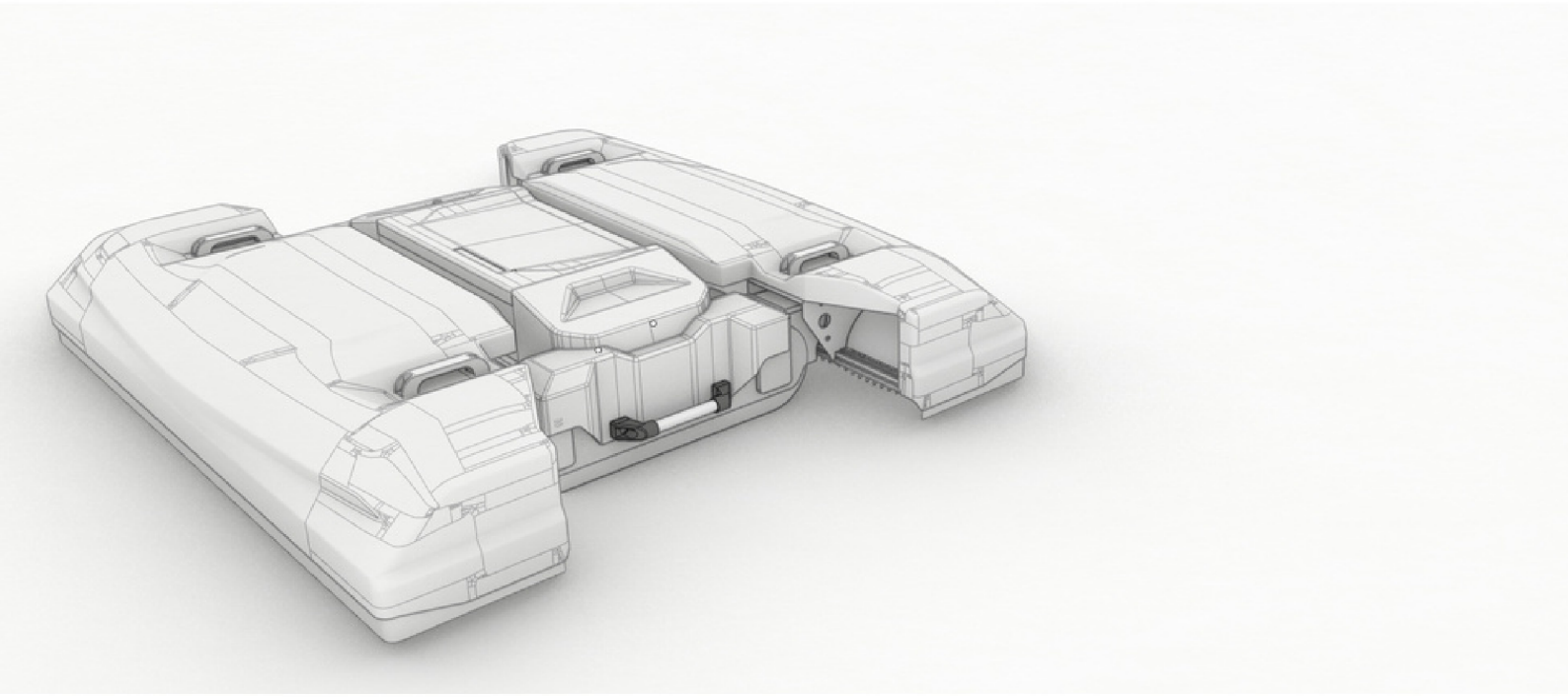
FEATURES



TRX

60 kg

120 cm

40 m/min

1440 m²/h

+3 Hour

RC

**Scanning area and working time may vary depending on field and usage conditions.

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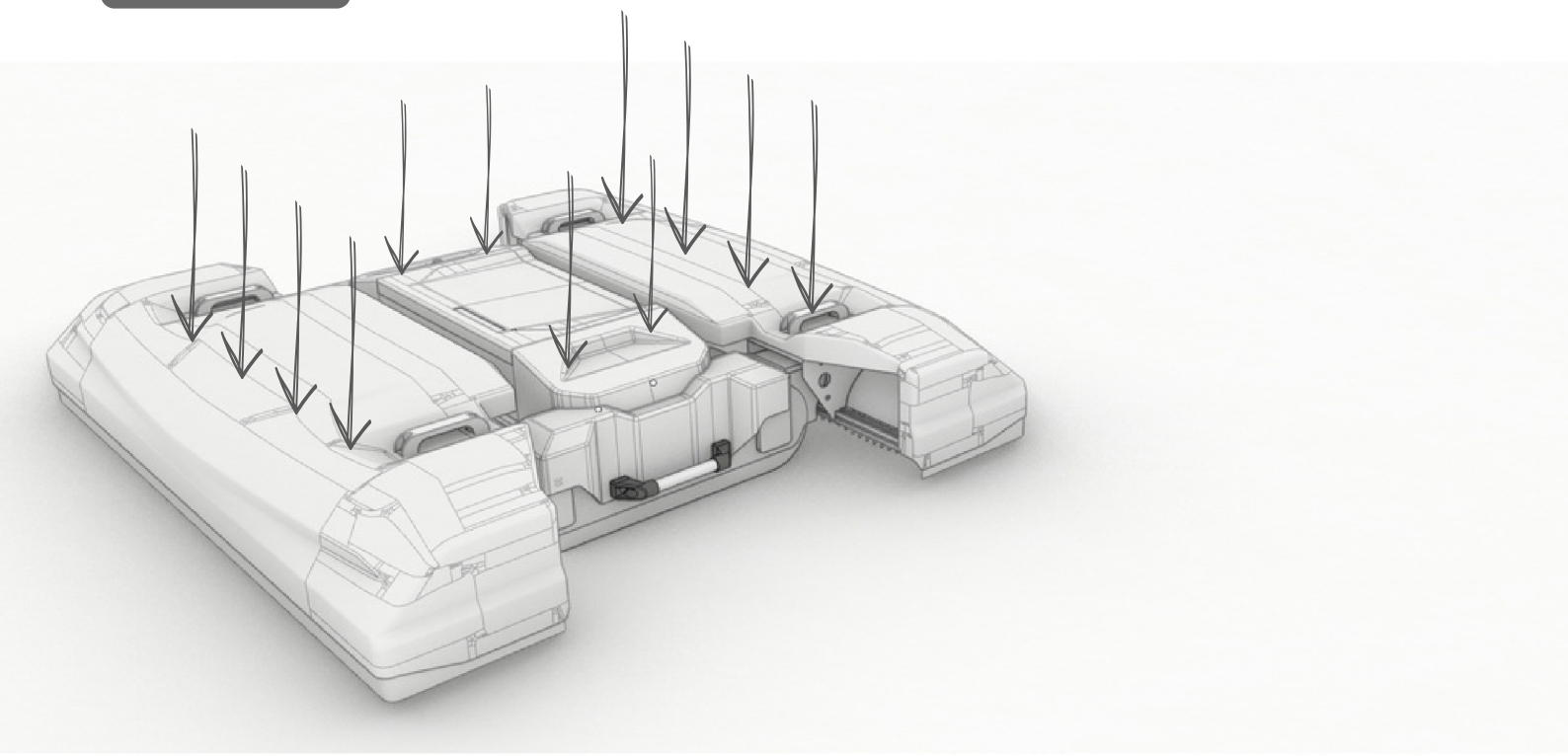

TRX

WEIGHT & PRESSURE

The TRX model, weighing 60 kg, distributes pressure over a wide area by contacting the panel surface with its paddles and 2 brushes.

Thanks to this wide pressure area, it applies a pressure force of 2000 Pa to the panel surface.

This pressure force remains below the minimum value of 2400 Pa specified by panel manufacturers.

**Panels should never be stepped on.

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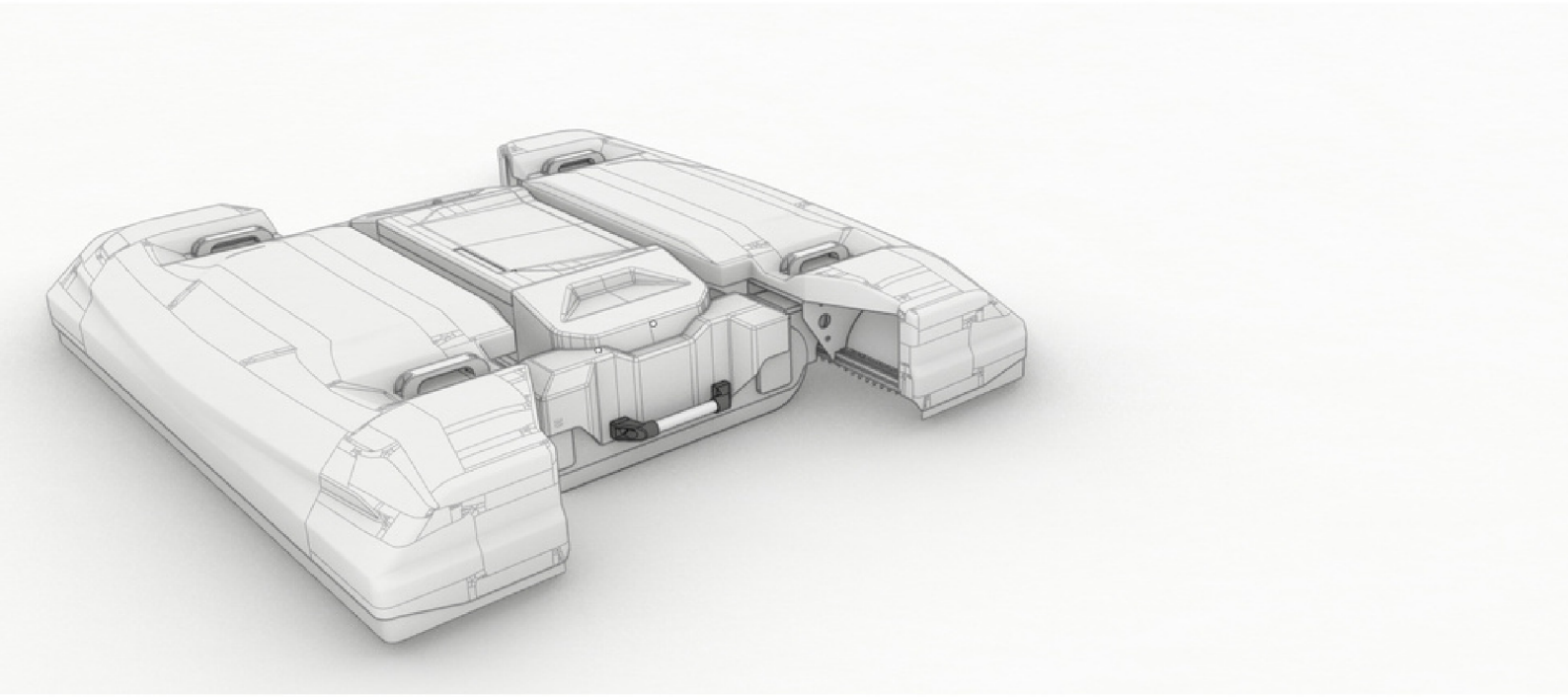
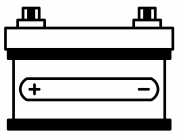
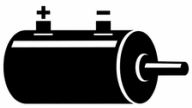


TRX

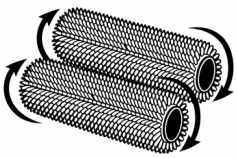
POWER VALUES



With its powerful 24V 40A battery, it provides a minimum of 3 hours of operation at optimum speeds.



1400W Motor power



400 rpm brush speed

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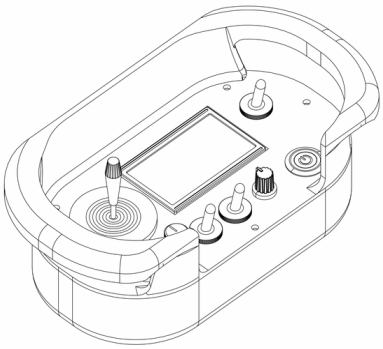
CONTROL OPTIONS



Remote Control



Android Phone

For safe use, it is recommended that robots be used from a maximum distance of 20m. The safest usage is recommended when the operator accompanies the cleaning robot at the shortest possible distance without pressing on the panels.

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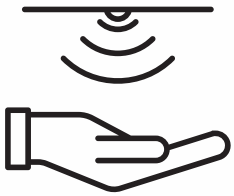
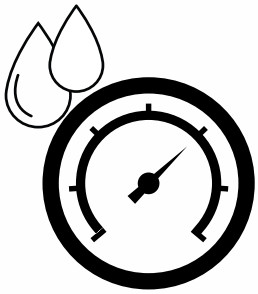
OPERATIONAL INFORMATION



Thanks to its gap detection sensor, the robot stops within 3 cm of any gap it detects. This prevents the robot from falling off roofs or panels, minimizing the risk of accidents.



To ensure efficient washing, it is recommended that the robot's water inlet compartment be supplied with purified water at a pressure of at least 4 bar.

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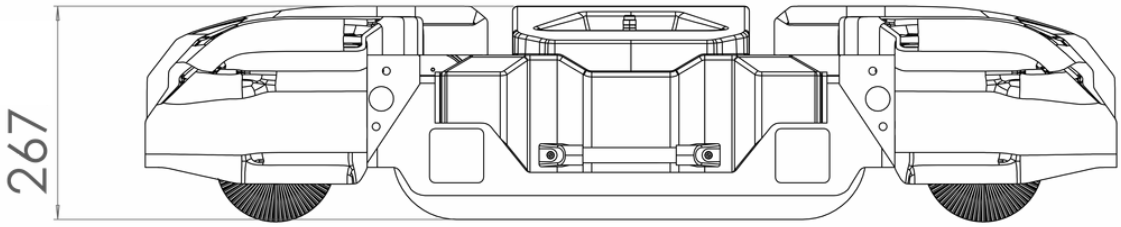
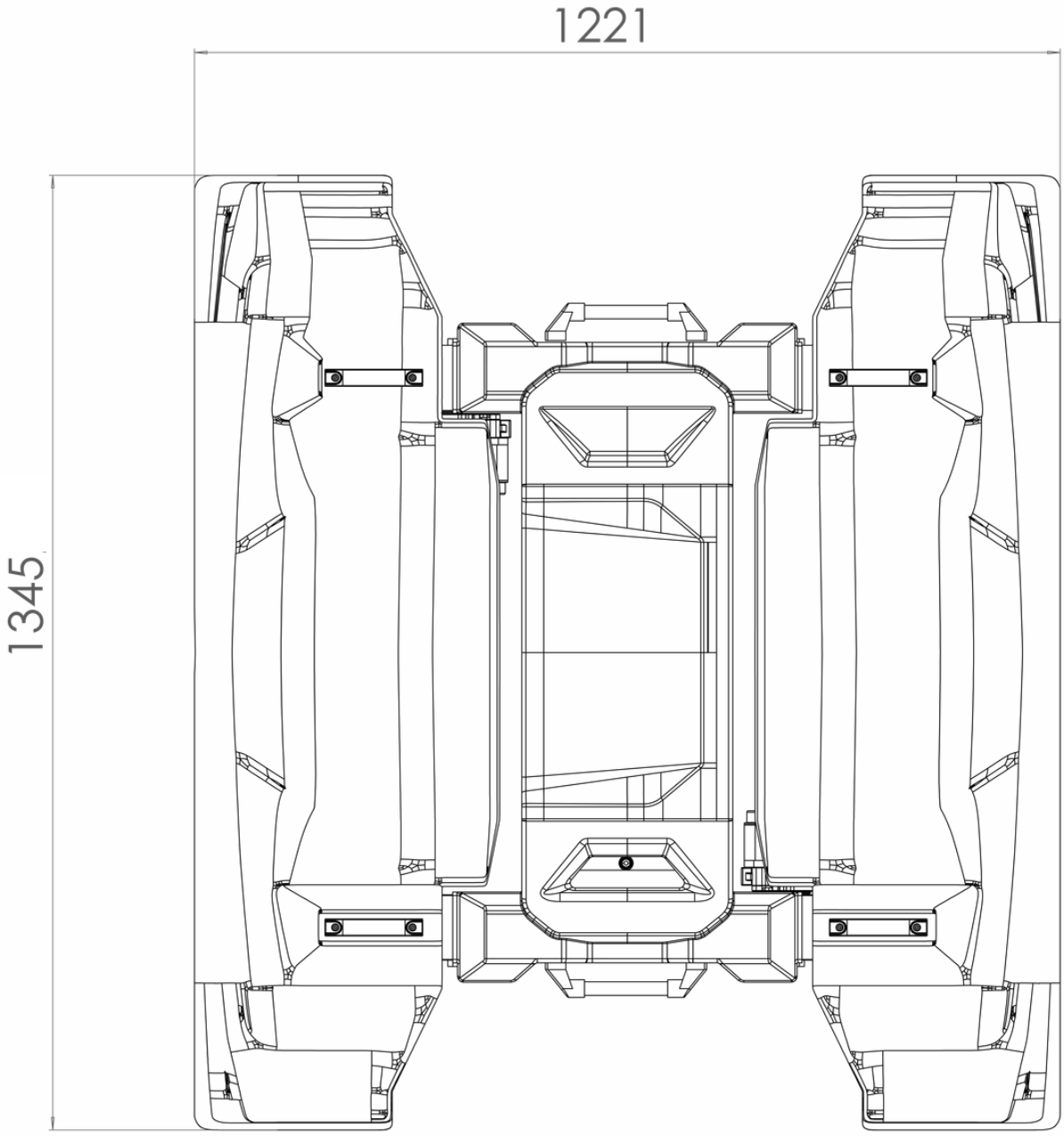
DIMENSIONS





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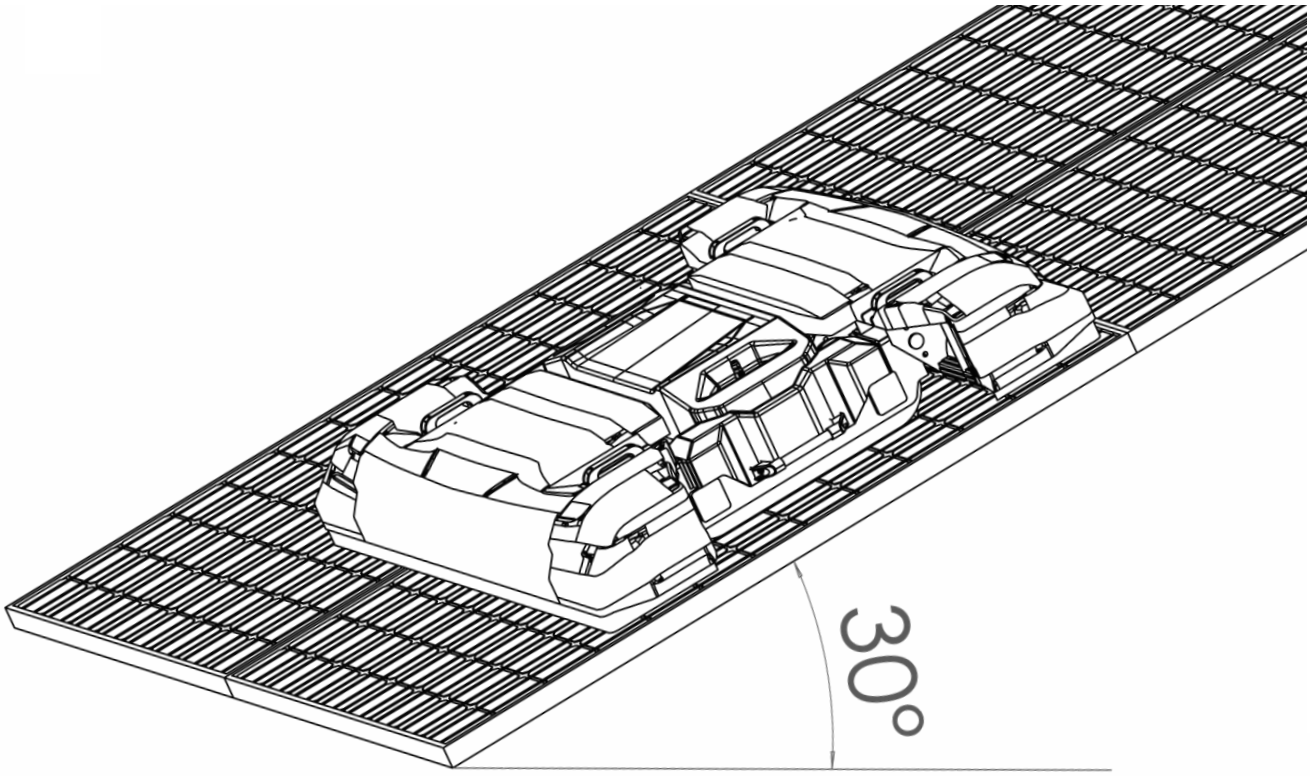
WORKING ANGLE



TRX can operate without slipping on inclines up to 30° thanks to its slip-resistant tracks. The recommended operating angle is a maximum of 20°. This value may vary depending on environmental conditions and the nature of the dirt on the panel. If conditions permit, TRX can be used on both roof and ground panels.

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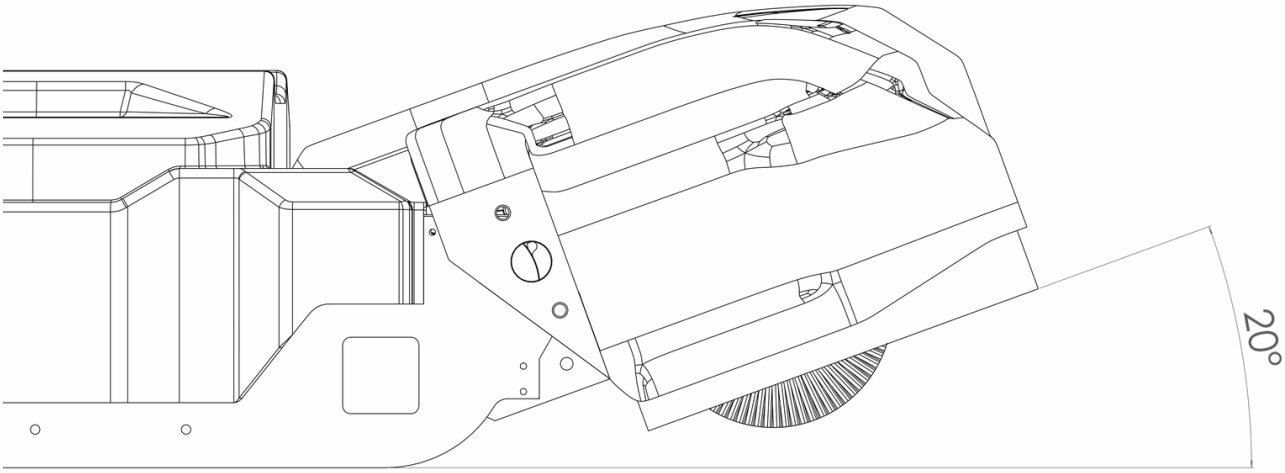
BRUSH ANGLE



TRX brushes feature a pivoting head mechanism. This mechanism prevents surface issues and height differences between panels, which may arise from panel installations and existing roof problems, from hindering cleaning operations.

CONTACT US

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