

Low Void Mk7 Robot



A slimmed down version of our underfloor robot, specifically designed to spray insulation in voids as low as 200mm height.

OVERVIEW

Compact

The robot has been designed specifically to fit into the tightest of spaces. It can navigate and install underfloor insulation in voids as low as 200mm height. The robot is just 380mm wide, allowing it to go through narrow gaps.

Enhanced Vision

The robot has a front facing camera with a wide field of view, combined with lights that enable a good understanding of the environment. A depth camera at the front of the robot gives the installer feedback about the depth of insulation applied.

Adjustable Height

The front camera can be moved up and down via a pneumatic mechanism. That allows them to fully extend for the best view of the environment, or hide in the robot body to navigate challenging sections of the void.

Comprehensive User Interface

The simple, streamlined design gives maximum screen area for the view from the cameras and the sensor feeds. The robot is controlled entirely by the joypad. The user is able to feel immersed in the job - as though they are alongside the robot spraying.



For more information, contact us:

e: info@q-bot.tech w: www.q-bot.tech

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Robot

Weight	18kg
Dimensions (mm)	450 L x 385 W See diagram for heights
CPU / GPU	Quad-Core ARM A57 / NVIDIA Maxwell with 128 NVIDIA CUDA® cores
Camera	5MP (165°D.F.O.V.)
Sensors	Depth Camera

Robot Performance

Operating Voltage	48V supplied to the robot via tether
Power	480W (10A at 48V)
Wheels Output Torque	48Nm total
Max. Speed	0.25m / sec
Noise Level	< 80dB during spraying

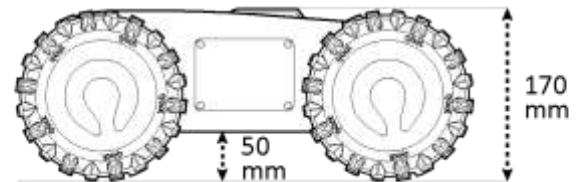
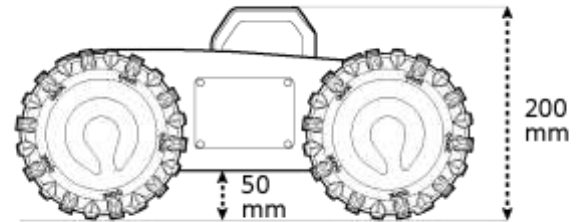
Control Unit

Weight	8kg
Dimensions	505 L x 355 W x 120 H
CPU / GPU	Intel i7, 16GB DD4 & 500GB SSD
Screen	16" Full HD
Power Input	110V 16A
Power Output	48V at 10A
Tether Lengths	15m, 30m, 60m
Tether Rating	150kg

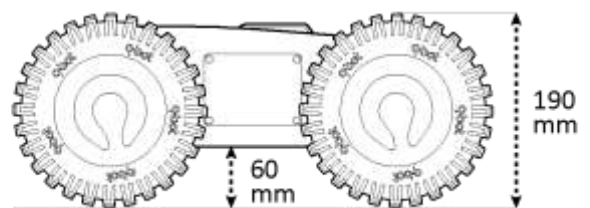
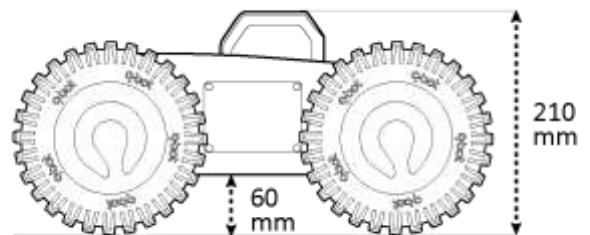
Environment Operational Conditions

Practicable Terrains	Hard, sandy, rubble, soil
Ambient Temperature	0 to 45 degrees Celsius

Small tyres



Large tyres



Different robot heights and corresponding floor clearances.

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