



TECHNICAL SPECIFICATIONS

H2200 Product sheet



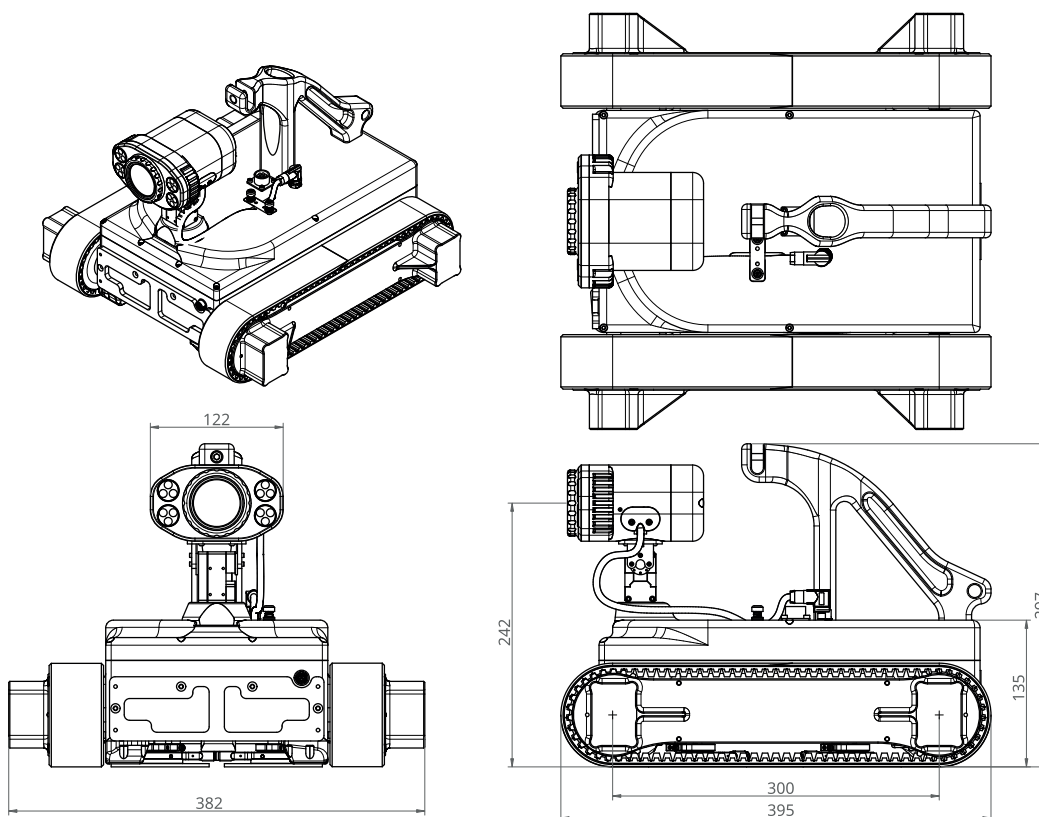
With no entrance in confined spaces or working at heights being required, Invert Robotics' multi-technology NDT robotic platforms – the V-, M, and H-series – offer the safest, fastest and fail-safe way to make sure your assets' health is up to par.

The hybrid version of Invert Robotics' inspection platform can be used on any smooth surface thanks to its 2 independent adhesion methods. Especially well-suited for use on sensitive surfaces or the inspection and maintenance of glass-lined vessels thanks to its adhesion redundancy capabilities.

- The H-series robots are unique in that they adhere to any magnetic surface, as well as coated, glazed or stainless-steel surfaces.
- Follow inspections and see the results even at a distance: our robotic platform sends images and findings to you as it crawls over the surface of to be inspected assets.
- Wherever in the world they're needed, our small and robust robots – with ditto carrying case – can be deployed instantly and travel anywhere as check-in luggage.



H2200 product sheet



H2200 Technical specifications

Weight	12 kg (without camera)
Dimensions	395 x 383 x 297 mm (W x L x D)
Material	Designed for coated and lined carbon steel
Max. cable length	Standard 40 m can be extended up to 100 m
Constr. materials	UHMWPE, aluminium, rubber, neodymium permanent magnets

Speed

Max. linear speed	200 mm/sec
Tracked based differential steering	Yes

Performance

Power consumption	350 W
Power supply (V/amp)	35/10
Operational temperature range	- 5°C to 50°C (configurations for other temperatures are available)
Nominal diameter for operation (mm)	2200
Maximum surface roughness (μ Ra)	< 6.5
Maximum payload	5 kg



H2200 product sheet

Adhesion system (vacuum)

- Active and passive sliding suction adhesion system
- 4x adhesion pads – redundancy built into the suction system
- Active vacuum pump system, prevents the robot from falling in case of power loss
- Increase adhesion capability on carbon steel or rough surface
- Adhesion system force (max) (N) 878

Certifications

In process

Control case

- Easy to set up and versatile
- Fully integrated control system
- Standard game controller to drive the robot
- Daylight readable LCD screen – even in the brightest light
- Pelican Air 1637 carrying case
- Tested against the ISTA-6-FedEx-A standard

Working surfaces

- Designed for hybrid surfaces (eg. Coatings and linings) and carbon steel surfaces.

Payload capability

- Visual inspection cameras as standard payload
- Ultrasonic thickness tester
- Customised NDT tools

Other capabilities

- Transitions between floor and wall (without payload) 90-degree angle only