

SHAPING THE FUTURE WITH ADVANCED SOLUTIONS

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INTRODUCTION TO NEUWAVE ROBOTICS



WHO WE ARE

We delivers cutting-edge solutions for industrial cleaning and inspection, enhancing precision, efficiency, and sustainability.

Operating on a global scale, Neuwave Robotics integrate state-of-the-art technologies to address the unique challenges of industries worldwide, ensuring every operation is optimised for success. Our solutions are not just about innovation — they're about creating a positive impact. By enhancing productivity and minimising environmental footprints, we empower industries across the globe to embrace smarter, more sustainable practices.

OUR MISSION

To revolutionise industrial maintenance with innovative, advanced robotic solutions that enhance efficiency, safety and sustainability.

OUR VISION

To be a global leader in providing advanced robotic solutions that set new standards for precision, reliability and environmental responsibility in industrial cleaning and NDT inspection.

OUR CORE VALUES

Innovation:

We are dedicated to pushing technological boundaries, constantly innovating to deliver ground-breaking solutions, shaping a future where innovation and performance lead the way.

Sustainability:

We deliver advanced solutions that maximise efficiency while minimising environmental impact, supporting a more sustainable and responsible industrial future.

Customer Focus:

We specialise in delivering tailored solutions, custom-designed to meet the unique needs of each industry, ensuring optimal performance and maximum impact.



BLASTMASTER



FEATURES & HIGHLIGHTS



Functional on Vertical Surface



Rust Remover



Wastewater Recovery



Functional on Reverse Surface



280 MPa Hydroblasting



IP66



Anticollision Design



Modular Design



Automate Lane Change

SPECIFICATIONS:

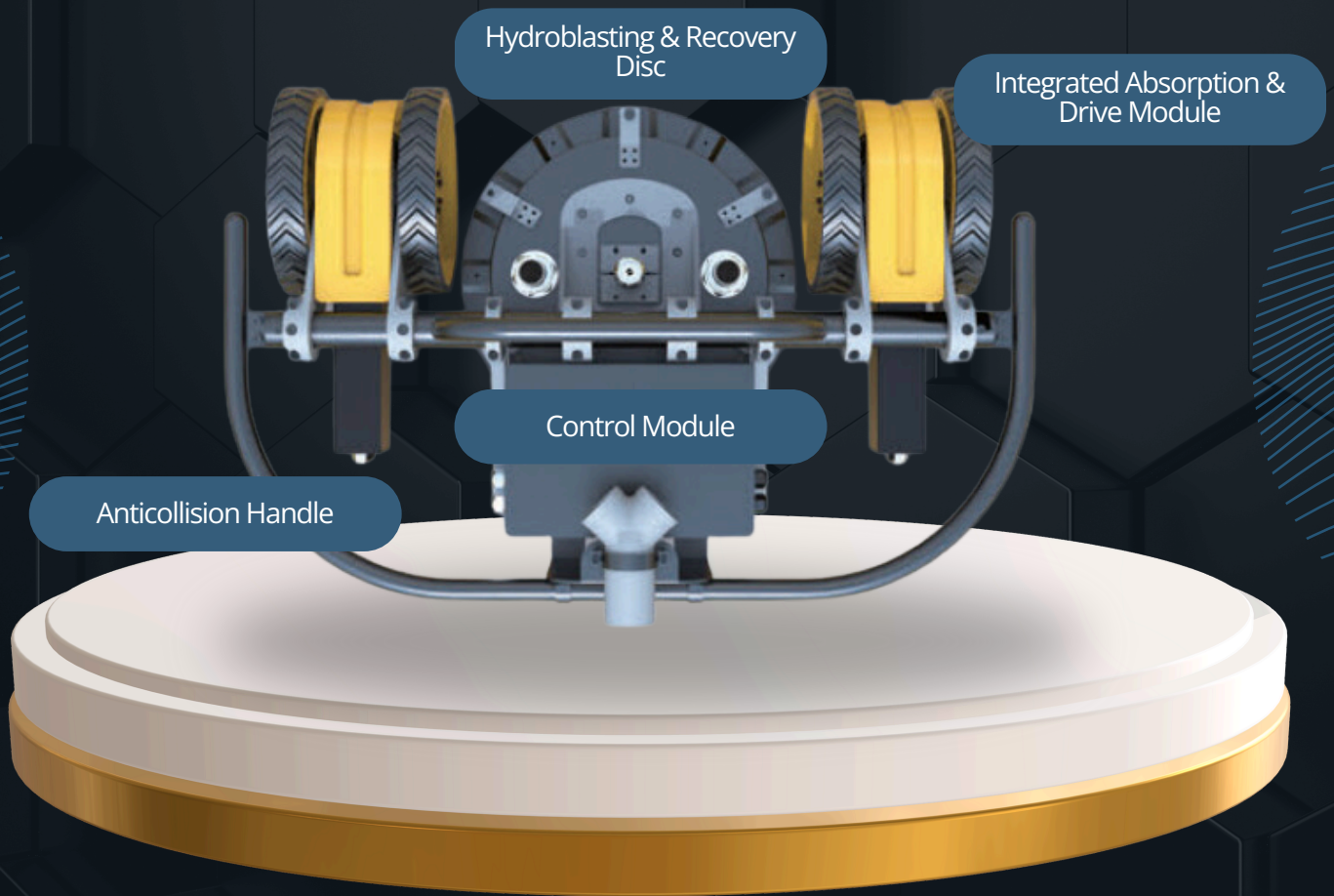
Size	1050 x 720 x 600mm
Weight	87kg
Load	120kg
Moving Speed	0-5m/min
Working Width	340mm

A reciprocating mechanical arm with 3DoF is adopted to mount various blasting modules including HP water module, pro-environment dry abrasive module, wet abrasive module and dry abrasive module to carry out derusting operations on large facilities like oil tanks and ships. The highest derusting efficiency is 40m²/h.

CLEANING ROBOT SERIES



BLASTMASTER



The BlastMaster offers efficient, high-pressure cleaning and surface preparation with integrated waste recovery, ensuring safety, productivity, and environmental compliance. Ideal for industries such as oil & gas, marine, and infrastructure, it streamlines maintenance while reducing risks and downtime.



HULLGUARD



FEATURES & HIGHLIGHTS



Functional on Reverse Surface



Mechanical Cleaning



Cavitation Water Jet



Functional on Vertical Surface



Anticollision



Quick-change Mechanism



Modular Design



LED Lighting



PTZ Camera



Functional Underwater

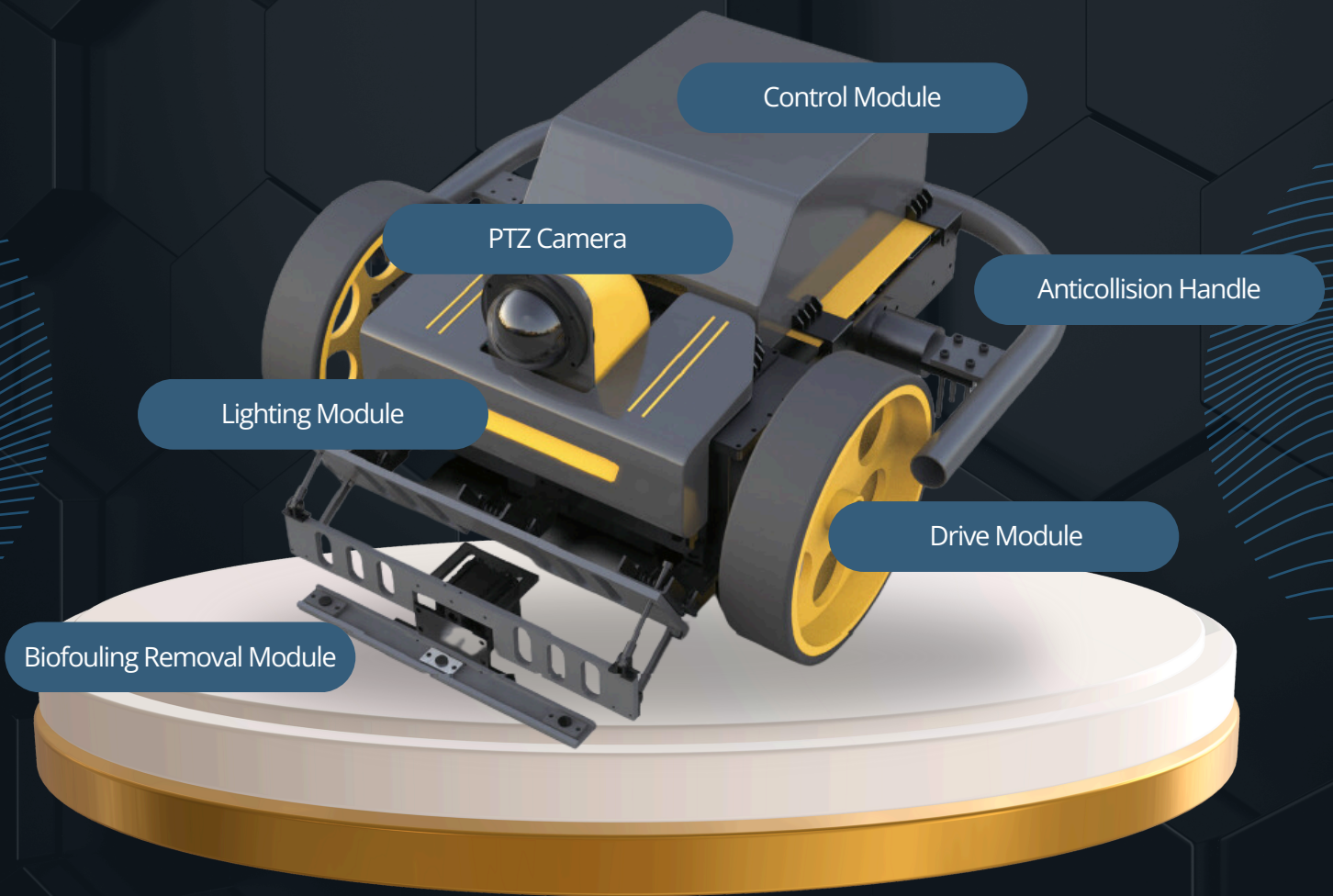
SPECIFICATIONS:

Size	980 x 750 x 400mm
Weight	50kg
Load	53kg
Moving Speed	0-18m/min
Working Width	Mechanical Unit 650mm/ Cavitation Water 900mm

This robot is applicable to the removal of biofouling on the ship hull. It is completely waterproof and can clean the underwater part of the vessel. Based on different cleaning needs, the robot can be mounted with cavitation water jet unit or mechanical cleaning unit. The efficiency of cavitation water jet is up to 980m²/h.



HULLGUARD



The HullGuard efficiently removes biofouling and marine growth from ship hulls, improving fuel efficiency and reducing maintenance costs. Ideal for marine, shipping, and offshore industries, it ensures environmental compliance, enhances safety, and minimises downtime with eco-friendly, in-water cleaning.



GLIDECOAT



FEATURES & HIGHLIGHTS



Functional on Vertical Surface



Spray Painting



Automate Lane Change



Adjustable Working Height



Modular Design



IP65



Anticollision

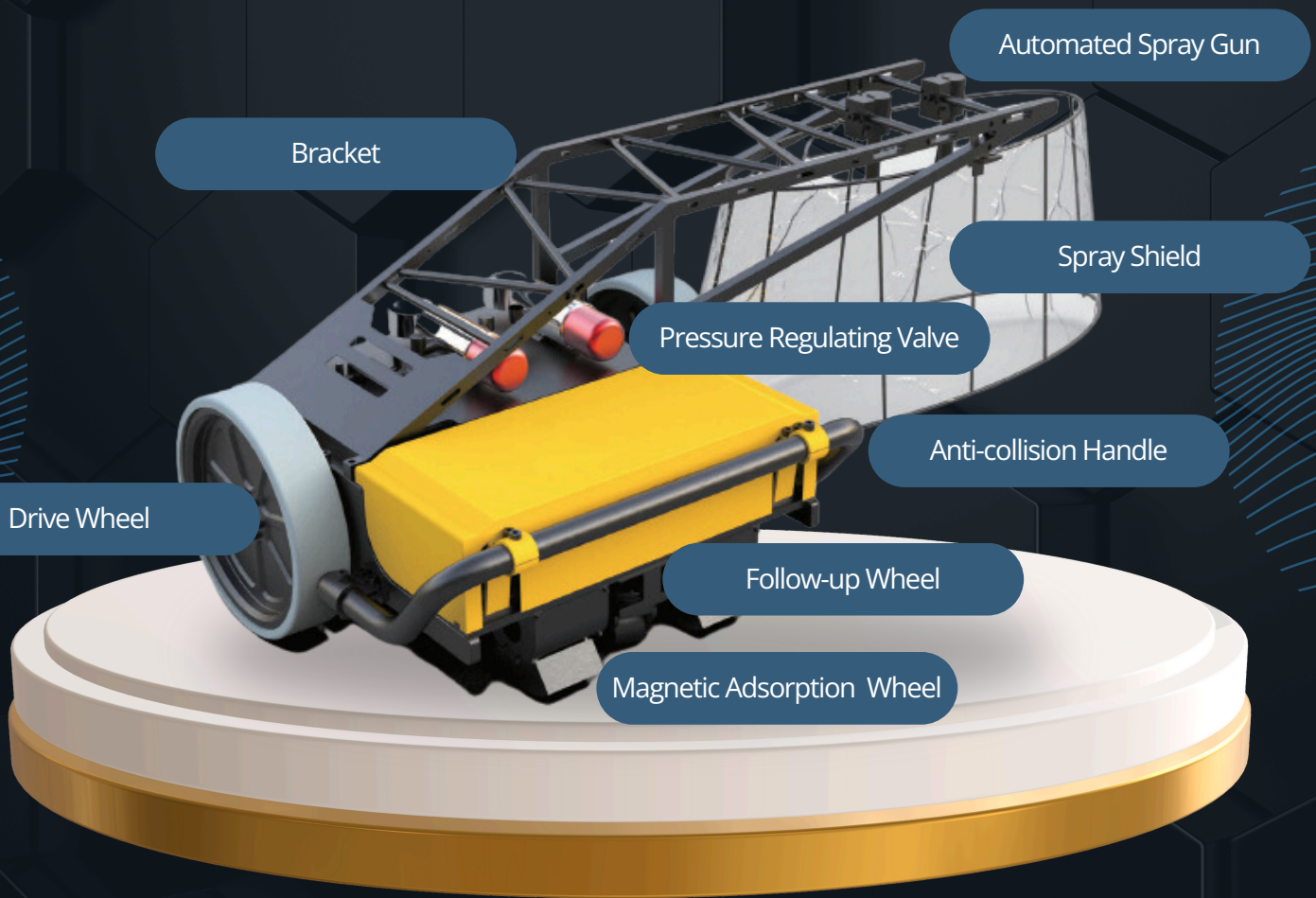
SPECIFICATIONS:

Size	570 x 1530 x 500mm
Weight	67kg
Load	100kg
Moving Speed	0-30m/min
Working Width	300-500mm (with single gun)

This robot is applicable to the airless painting on the surface of ships and large tanks. Equipped with one or two spray guns, it can conduct the painting operation along both horizontal and vertical directions. With the one-button lane change programme built in, the operator can easily set the distance of lane change to keep a fixed overlapping width between each strip of paint, which remarkably simplifies the operation and enhances the painting efficiency.



GLIDECOAT



The GlideCoat provides precise, high-quality coatings for industries such as oil & gas, marine, and automotive, ensuring long-lasting protection against corrosion. Its automation improves efficiency, reduces downtime, and enhances safety while delivering consistent, durable finishes. Ideal for large-scale applications, it offers a cost-effective solution for asset protection and maintenance.



FLEXPREP



FEATURES & HIGHLIGHTS



Functional on Vertical Surface



Roughening



Flexible Work



Adjustable Working Height



Automated Lane Change



IP65



Modular Design



Quick-change Mechanism

SPECIFICATIONS:

Size	910 x 520 x 400mm
Weight	45kg
Load	25kg
Moving Speed	0-25m/min
Working Width	520mm

Compact and lightweight, this robot is designed for cleaning and roughening large metal surfaces like ships and storage tanks. It features replaceable roughening discs, adjustable wall compression force, and a flexible mechanism for surface adaptation. With automated lane change and route planning, it delivers efficient, intelligent operation with customizable roughening strength.



FLEXPREP

Handle & Hoisting Module

Control Module

Lifting Mechanism

Drive Module

Flexible Frontend Unit

The FlexPrep ensures precise surface preparation for industries such as oil & gas, marine, and infrastructure, improving coating adhesion and corrosion protection. Its adjustable roughening strength, automated lane change, and route planning enhance efficiency, providing a reliable solution for long-lasting asset maintenance.



PROINSPECT



FEATURES & HIGHLIGHTS



Functional for
Min. 300mm
Pipeline



Adjustable
Tracks



Strong Ground
Gripping



800W Large
Power



Speed Control
Algorithm



Anti-corrosion



IP68



IP68
Camera



Sa2.5
Rust
Removal

SPECIFICATIONS:

Size	630 x 225 x 210mm
Weight	30kg
Load	80kg
Moving Speed	4km/h
Battery Compartment Size	741 x 427 x 148mm
Cable Winder Size	950 x 860 x 930mm
Max. Track Span	485mm
Max. Climbing Grade	30°

The ProInspect is a durable, modular solution for pipeline inspection, sewer cleaning, and underground maintenance. With stainless steel construction, rubber tracks, IP68 waterproofing, and precise speed control, it performs reliably in tough conditions. Customisable with high-resolution cameras and extra payload capacity, it adapts to diverse operational needs.



PROINSPECT

IP68 Front Camera

IP68 Rear Camera

Data & Power Cable

IP68 Rated Rubber Track

The ProInspect is a durable, adaptable solution for inspecting and maintaining pipelines, sewers, and underground systems. With IP68 waterproofing, advanced speed control, and customisable features, it delivers reliable performance across industries such as oil & gas, water management, and utilities.



WHY CHOOSE NEUWAVE ROBOTICS?



TECHNOLOGICAL EXCELLENCE



Cutting-edge robotics.

SUSTAINABILITY



Eco-friendly solutions reducing environmental impact.

CUSTOMISATION



Tailored systems to meet unique industrial needs.

SAFETY FIRST



Minimising risks to personnel and enhancing operational safety.

PROVEN EXPERTISE



Serving leading industries worldwide.

GET IN TOUCH:

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