T16AMR

Industrial Robotic Scrubber

An Industrial Robotic Solution

The robotic revolution

Warehousing businesses have utilised robots and other automated technologies for decades. But with the rapid advance of robotic technology, truly autonomous, intelligent robots are now an essential part of the modern warehouse — from picking and sorting, to palletising and depalletising, to automated storage and retrieval systems. Savvy warehousing businesses are continuously looking for innovative ways to put robots to work to solve business challenges.

One of the most promising and rapidly growing robotics use cases is leveraging sophisticated autonomous floor scrubbers to optimise and enhance floor cleaning in warehouse spaces. Autonomous floor scrubbers can help address several of the operational challenges and business goals around the logistics and costs of facility cleaning.

The Industries First Industrial Robotic Scrubber

T16AMR

The T16AMR address labor challenges, reduce the need for pre-sweeping, drive efficiencies and maintain a high standard of cleaning for facilities. It’s a robotic cleaning machine designed to work safely and efficiently alongside employees so they can focus on high-value tasks

The next-gen of industrial cleaners

The first industrial sized autonomous scrubber, Tennant's T16AMR combines advanced technology and unmatched cleaning performance into becoming the ultimate tool for facilities, reshaping the landscape of industrial floor cleaning with its intelligent and adaptive design.

Control Panel

Much like a tablet or mobile phone, operators access the robotic floor scrubber functions via a touch-sensitive screen. All common functions, such as teaching a route, selecting a route and viewing training videos, are accessed via the user interface screen next to the steering wheel.

2D & 3D Cameras

The 2D camera located on the sides of the machine, identify the home markers that the robotic floor scrubber relies on to complete routes. The 3D cameras allow the cleaning machine to perceive the environment around it and detect any potential safety hazards.

AI- Driven 'Brain'

The AI-driven "brain" of the robotic floor scrubber pulls together real-time inputs from all the sensors to guide the machine safely and accurately through a space. This central, cloud-based AI software platform also serves as the interface between the machine and operator.

LIDAR sensors

LIDAR (Light Detection and Ranging) sensors accurately scan the area in front and to the sides of the machine for a wide range of potential obstacles.

Proven scrubbing technology/hardware

Receive daily or weekly reporting to better understand machine utilisation and have the confidence of a consistent clean. Data also provides visibility into machine performance and value generation.

From innovation to insights

Partnering with Brain Corp, harnessing cutting-edge AI technology to seamlessly enhance the productivity of autonomous machines in the food and beverage industry, transitioning from innovation to insightful operational efficiency.

Cleaning performance reporting & heat mapping

Receive daily or weekly reporting to better understand machine utilization and have the confidence of a consistent clean. Data also provides visibility into machine performance and value generation.

Area fill

Suitable for larger, wide-open spaces, simply drive the machine around the perimeter of a space, and the AMR will fill it in on its own.

Up to 60 cleaning routes

Users can program up to 60 cleaning routes with a queuing function, enhancing time efficiency through the reallocation of manpower to different tasks and optimizing cleaning performance.

Sensor safety

Its advanced overlapping sensors enable the machine to navigate dynamically, identifying and skillfully avoiding objects in its path and maintaining a consistent clean.

Reinvent how the world cleans

With a vision to become a global leader in sustainable cleaning innovation that empowers our customers to create a cleaner, safer and healthier world, Tennant creates solutions that are changing the way the world cleans.

Proven Machine Success

Tennant is currently the world's largest manufacturer of autonomous cleaning robots, and has the largest fleet of AMRs in public spaces, with over 6,000 robots deployed globally

Solutions for your unique needs

Tennant's dedicated AMR customer success focuses on making your robotic cleaning program successful. Our industry-leading customer success team combines their robotics implementation experience and in-depth knowledge of cleaning equipment to serve our robotics customers.

Buying, leasing or renting

We offer flexible options to get you the machines you need, however you need them.

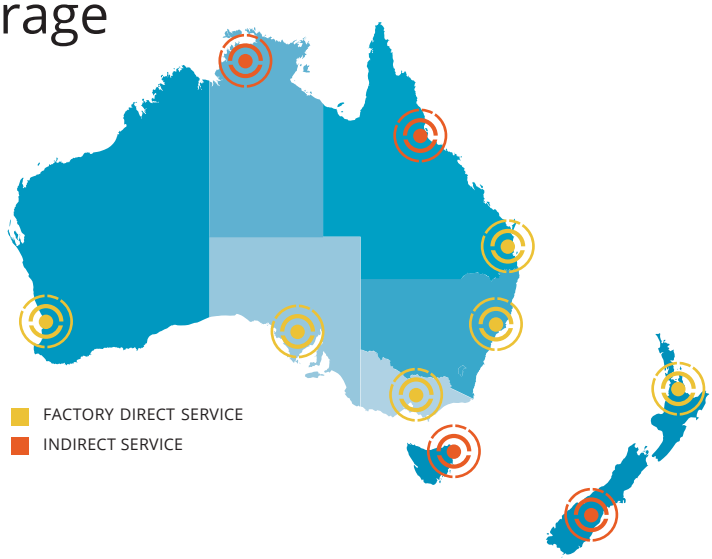
We are where you are

Tennant has the industry's largest direct sales and service organization and a well-supported network of authorized distributors worldwide.

Factory direct service coverage

Over 40 direct service technicians and a constantly growing indirect service network covering Sydney, Melbourne, Brisbane, Adelaide, Perth and Auckland.

If you require information for service outside the metro zones, please contact us on **1800 226 843** or visit **www.tennantco.com.au**.



ONE OF AUSTRALIA'S
LARGEST FACTORY DIRECT
SERVICE NETWORKS

T16 AMR specifications

FEATURE	SPECIFICATION
Cleaning path	910 mm
Manual Productivity	Up to 5,890m2
Manual Speed (forward)	6.1 km/h
Autonomous Speed (forward)	3.5 km/h
Solution Tank Capacity	190L
Recovery Tank Capacity	225L
Brush/Pad Pressure	Up to 91kg
Scrubbing Path Width	910mm
Brush Dimension	205mm
Dimensions	2,030 x 1,070, 1475 mm
Battery Run Time (Flooded Lead Acid | High Capacity Lithium-Ion)	Up to 4 hours | Up to 5.5 hours
Weight/with standard battery package	785kg

Specifications subject to change without notice.

For a demonstration or additional information, call **1800 226 843** or email **contactus@tennantco.com**

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