



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

EQUIPMENT



# Autonomous T7 Micro-Rider Floor Scrubber



- **Designed to work safely and efficiently** alongside employees so they can focus on high-value tasks
- **Backed by Tennant's team** of 550+ factory-direct service professionals and 250+ factory-direct sales reps
- **Powered by BrainOS® advanced vision-based A.I. system**, the autonomous T7 is able to navigate complex, real-world environments

# A collaborative autonomous scrubber featuring ec-H2O NanoClean® & BrainOS® Technology



## Partner with excellence

Trust in Tennant's proven track record of durable, reliable cleaning equipment and Brain Corp's best-in-class field tested robotic technology.

## Unmatched support

Receive responsive troubleshooting and long-term maintenance support to minimize downtime in your cleaning operation.

## Create a cleaner, safer, healthier environment

Reduce scrubber detergent and use up to 70% less water with ec-H2O NanoClean technology.

## Engineered for safety

Equipped with BrainOS technology, the autonomous T7 will be designed and tested to operate in complex, real world environments while safely avoiding people and obstacles.

## Easy-to-use controls

Simple, intuitive controls ensure ease of use and efficiency for operators.

## Consistent cleaning experience

Learn and repeat model ensures consistent cleaning performance while reports help you track key performance indicators across your fleet.



Manufacturing facilities in  
Minneapolis, MN and Holland, MI



Distribution center & brush  
manufacturing facility in Louisville, KY

# Value Beyond the Machine

**With more than 800 factory-direct sales, service, and support representatives across North America, we are uniquely equipped to surround and serve our customers' operations from coast to coast.**

The value of being a Tennant customer extends well beyond improving your cleaning efficiency with high quality equipment, training, process consultation and maintenance at the site level.



# Autonomous T7 Micro-Rider Floor Scrubber

SCRUBBING SYSTEM		26 IN / 650 MM
Productivity (per hour)		
Theoretical max (manual mode)	45,760 ft <sup>2</sup> / 4,250 m <sup>2</sup>	
Theoretical max (autonomous mode)	28,600 ft <sup>2</sup> / 2,660 m <sup>2</sup>	
BRUSH DRIVE SYSTEM		
Brush motors (2)	.6 hp / 0.45 kW	
Brush speed	225 rpm	
Brush/pad down pressure	80, 120, 160 lb / 36, 54, 73 kg	
SOLUTION SYSTEM		
Solution tank description	Full access and cleanable	
Solution tank capacity	29 gal / 110 L	
RECOVERY SYSTEM		
Recovery tank description	Full access and cleanable	
Recovery tank capacity	29 gal / 110 L	
Vacuum motor	0.6 hp / 0.45 kW	
POWER SYSTEM		
System voltage	24 volt	
Batteries	4 x 6V 360Ah - Wet Lead Acid	
Battery run time*	up to 3.0 hours	
PROPELLING SYSTEM		
Maximum manual speed	4 mph / 6.4 km/h	
Maximum autonomous speed	2.5 mph / 4 km/h	
MACHINE SPECIFICATIONS		
Product height	56 in / 1,422 mm	
Product length	65 in / 1,650 mm	
Product width (with squeegee)	33.25 in / 850 mm	
Product weight (with 360 Ah batteries)	1,057 lb / 479 kg	
Sound level** (operator's ear)	67 dBA	
ROBOTIC FEATURES		
Control	Manual and autonomous	
Learning System	Autonomous function is trained by user to replicate multiple scrubbing routes.	
Navigation	Multi-layer sensor system perceives environment, controlling vehicle and navigation.	
Safety	Overlapping sensors detect and avoid people and obstacles. Equipped with auto-stop button. Beeps alert passersby.	

\*Run times are based on continuous scrubbing run times.

\*\*Sound levels per ISO 11201 as recommended by the American Association of Cleaning Equipment manufacturers & OSHA.

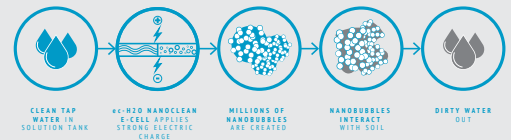
Specifications subject to change without notice. Image shown is a prototype and may be subject to change without notice.

## ec-H2O NanoClean® technology



Electrically converted water is created by an on-board e-cell that generates millions of very tiny microscopic bubbles known as nanobubbles that promote the cleaning efficacy of the solution.

This next generation solution offers the same great benefits of the first generation and now cleans better and cleans more soils in more applications. The name NanoClean, refers to the generation of nano-scale bubbles that are an important part of the cleaning mechanism.



## Environmental Stewardship

ec-H2O NanoClean is NFSI (National Floor Safety Institute) Certified. NFSI certified products must pass a 2-phase wet slip resistance process and have been shown to reduce the potential for slip-and-fall accidents.



ec-H2O NanoClean is registered by NSF International. NSF International is an independent, not-for-profit organization that ensures formulation and labels on these products meet appropriate food safety regulations.



ec-H2O NanoClean may contribute to LEED or LEED-EBOM (Existing Building: Operations & Maintenance) points, provided other appropriate criteria are met. For more information on obtaining LEED points, please contact your sales rep or refer to the USGBC website at: [www.usgbc.org](http://www.usgbc.org).



## Seeing is believing

For additional information, call +1.800.553.8033 or email [info@tennantco.com](mailto:info@tennantco.com)

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