EQUIPMENT

CREATING A CLEANER, SAFER, HEALTHIER WORLD.



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 less water with ec-H2O NanoClean technology.

Engineered for safety

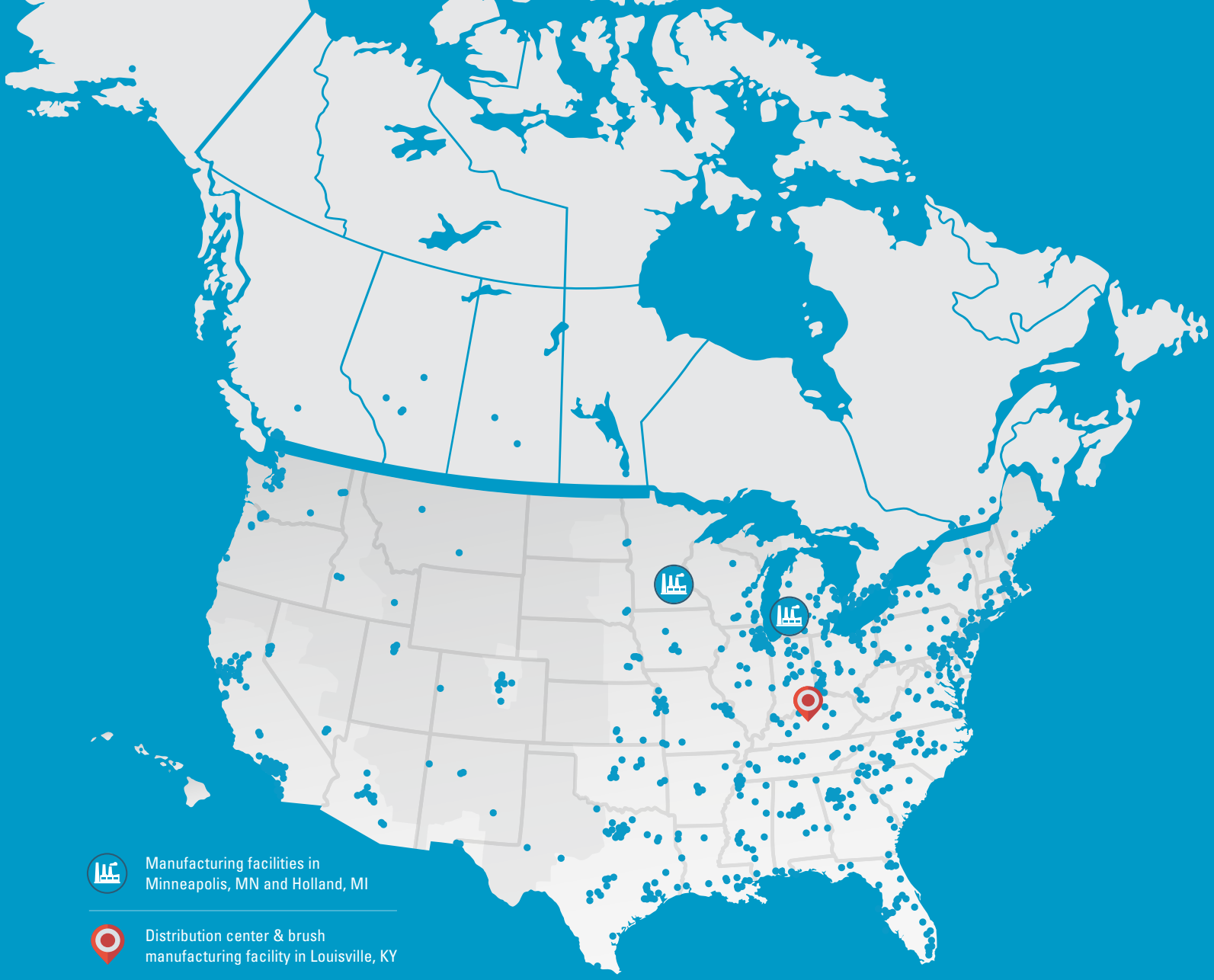
Equipped with BrainOS technology, the autonomous T7 will be designed and tested to operate in complex, real world environments while safely avoiding people and obstacles.

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.



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 ft² / 4,250 m²
Theoretical max (autonomous mode)	28,600 ft² / 2,660 m²
BRUSH DRIVE SYSTEM	
Brush motors (2)	.6 hp / 0.45 kW
Brush speed	225 rpm
Brush/pad down pressure	Up to 190 lb / 86 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 3.5 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	57 in / 1,450 mm
Product length	65 in / 1,650 mm
Product width (with squeegee)	33.25 in / 850 mm
Product weight (with 360 Ah batteries)	1,085 lb / 492 kg
Sound level** (operator's ear)	70 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 two auto-stop buttons. Beeps alert passersby.

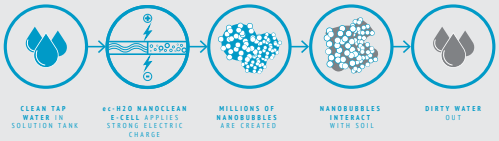
*Run times are based on continuous scrubbing run times.
**Sound levels per ISO 11201 as recommended by the American Association of Cleaning Equipment manufacturers & OSHA.

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.

Seeing is believing

For additional information, call +1.800.553.8033
or email info@tennantco.com

Tennant
701 North Lilac Drive
Minneapolis, MN 55422 USA

USA/Canada: +1.800.553.8033
Quebec: +1.800.361.9050
Overseas: +1.763.540.1315

www.tennantco.com
info@tennantco.com

1.074.001.am.en T7 Autonomous Brochure 10/18
©2018 The Tennant Company logo and other trademarks designated with the symbol "®" are trademarks of Tennant Company registered in the United States and/or other countries. Tennant Company's products are sold and serviced through subsidiaries of Tennant Company and distributors. All rights reserved. BrainOS® is a trademark of Brain Corp.