

CREATING A CLEANER, SAFER, HEALTHIER WORLD.



# T500

## WALK-BEHIND FLOOR SCRUBBER

- Exclusive Smart-Fill™ automatic battery watering system
- Deliver predictable results, extend machine life, and reduce cost of ownership with an innovative suite of technologies

# IMPROVE THE EFFECTIVENESS OF YOUR CLEANING RESOURCES, INVESTMENTS, AND OPERATIONS WITH A NEW SUITE OF TECHNOLOGIES



- **Reduce costs to clean, increase productivity, and simplify operator training** with the T500's suite of innovative technologies, such as optional ec-H2O NanoClean® technology, IRIS® Asset Manager, or Pro-Panel™ LCD touch screen with customizable Zone Settings™.
- **With Quiet-Mode™**, clean at 62 dBA with a vac motor that allows for quiet anytime cleaning.
- **Effectively remove floor finish** without expensive stripping chemicals and improve cleaning performance with the orbital cleaning head option, featuring optimal down pressure and high RPMs.
- **Reduce risk of slips and falls** with a redesigned squeegee and integrated p-trap that improves water pick up and prevents water from dripping on the floor after cleaning.
- **Reduce time spent trying to accurately fill the solution tank** with auto-fill and water level monitor.
- **Reduce the risk of contact with dirty recovery water** and decrease the need for secondary cleaning operations caused from spills with optional flow control valve.
- **Charge batteries safely** with the lid closed with on-board charger fan and integrated venting.
- **Help prevent breakdowns** and simplify preventative maintenance and training requirements with yellow touch points.

## INNOVATIVE, EXCLUSIVE TECHNOLOGIES

### SMART-FILL™ AUTOMATIC BATTERY WATERING

Smart-Fill™ makes battery maintenance safer by removing the task of checking, opening, and filling flooded batteries.

### PRO-PANEL™ LCD TOUCHSCREEN TECHNOLOGY

Deliver predictable cleaning results with operator ID, on-demand tutorial videos and customizable Zone Settings™ with Pro-Panel technology.

### IRIS® IRIS ASSET MANAGER

Increase productivity, reduce cost to clean and make informed decisions with intelligent insights from IRIS® Asset Manager.

### ecH2O® NanoClean

ec-H2O NanoClean® technology electrically converts water into an innovative cleaning solution that cleans effectively, saves money, improves safety, and reduces environmental impact compared to daily cleaning floor chemicals and methods.†

†ec-H2O NanoClean® technology is not suitable for all soils, including heavy concentrations of fats and oils. Depending on the type of soil, conventional chemical cleaners may be required.

THE T500 SCRUBBER DELIVERS OPTIMAL PERFORMANCE AND CONSISTENT RESULTS ON VIRTUALLY ANY HARD FLOOR SURFACE CONDITION WHILE LOWERING CLEANING COSTS



## THE T500 ADDRESSES YOUR KEY BUSINESS CHALLENGES



### REDUCE COST TO CLEAN

Extend machine life and reduce costs of ownership with an innovative suite of technologies and durable components.



### IMPROVE HEALTH AND SAFETY

Innovative features maintain health and safety of operators, customers, and the environment.



### ENHANCE FACILITY IMAGE

Deliver predictable results and maintain the cleanliness and appearance of your facility's floor, enhancing your facility's image.



### MINIMIZE ENVIRONMENTAL IMPACT

Reduce environmental impact with detergent-free cleaning options.

# INSIDE THE T500

Easily clean Hygenic® tanks to help reduce mold, bacteria, and other contaminants

ec-H2O NanoClean® technology with optional Severe Environment™ Switch allows you to tackle trouble areas on-demand

Quickly and ergonomically install disk pads and brushes with Insta-Fit™ and gimbal mount heads

Low maintenance with no belt adjustments needed

**CYLINDRICAL SCRUB HEAD**

Maximize productivity by picking-up light debris while scrubbing

Contain water while scrubbing, especially in turns, with integrated floating side skirts

Improve operator ergonomics with propel switch and speed settings within easy reach

Easily and ergonomically lower and raise the foot activated squeegee

Virtually eliminate water drips with an integrated p-trap and up to a 4-second vacuum delay

Smart-Fill™ technology prevents operators from using scrubbing functions on dry batteries and a control panel alert notifies operators when the distilled water tank is low

Easily maintain the dual cylindrical scrub head with no-tool brush change and yellow touch points.

Reduce time spent trying to accurately fill the solution tank with auto-fill and water level monitor.

Quickly and easily clean recovery tank with optional on-board 53 psi spray nozzle and hose.

AVAILABLE FEATURES



# TECHNOLOGIES TO MAKE CLEANING EASIER

## T500 CONTROL PANEL OPTIONS



### Pro-Membrane™ (Standard)

- 1-step™ start button
- 3 down pressure settings
- 4 water flow settings
- Quiet-Mode™ (62 dBA)
- Supervisor lockout mode
- Fault code display, BDI LEDs
- 3 Zone Settings™



### Pro-Panel™ LCD Touch Screen (Option)

- 1-step™ start button
- 3 down pressure settings
- 4 water flow settings
- Quiet-Mode™ (62 dBA)
- Supervisor lockout mode
- **Fault code display with on-screen alert**
- **4 Zone Settings™ with customizable labels**
- **Operator ID log-in**
- **28 languages available**
- **On-demand training/maintenance videos**

## SMART-FILL™ AUTOMATIC BATTERY WATERING

Smart-Fill is the first on-board battery watering system that automatically fills batteries correctly, at the best time in the charging cycle and with minimal human intervention, making battery maintenance easy and virtually worry-free.



## TENNANTTRUE® PARTS, SERVICE AND FINANCE SOLUTIONS

- Reduce rework, labor and safety costs by using only TennantTrue parts and service.
- Leverage the knowledge and experience of over 450+ factory-direct Tennant service representatives that utilize only TennantTrue parts to ensure optimal cleaning performance.
- Select from a wide array of TennantTrue service plans designed to meet your cleaning equipment needs – whether that includes peace of mind and budget control, speed of response or uptime.
- Simplify budgeting by bundling TennantTrue service plans, including parts, into the purchase or financing of your machine.

## DIAMABRUSH™ TECHNOLOGY

Diamabrush is a breakthrough in concrete polishing and surface prep technology. Help floors battered by grime and filth look like-new with Diamabrush tools.

- Maintain and continuously improve your floor's appearance with routine cleaning.
- Polish your floor at your own pace through everyday cleaning.
- Help maintain a dust-free operation with Diamabrush and water.



Lease. Pre-Owned. Rent. Tennant has flexible options that get you the machines you need, however you need them.

# T500 WALK-BEHIND FLOOR SCRUBBER

SCRUBBING SYSTEM	DUAL DISK			CYLINDRICAL	ORBITAL
	26 IN / 650 MM	28 IN / 700 MM	32 IN / 800 MM	28 IN / 700 MM	28 IN / 700 MM
Productivity (per hour) Theoretical Max	28,600 ft <sup>2</sup> /hr / 2,657 m <sup>2</sup> /hr	30,800 ft <sup>2</sup> /hr / 2,861 m <sup>2</sup> /h	35,200 ft <sup>2</sup> /hr / 3,270 m <sup>2</sup> /hr	30,800 ft <sup>2</sup> /hr / 2,861 m <sup>2</sup> /h	28,000 ft <sup>2</sup> /hr / 2,601 m <sup>2</sup> /hr
Estimated Coverage* – Conventional	20,571 ft <sup>2</sup> /hr / 1,911 m <sup>2</sup> /hr	22,286 ft <sup>2</sup> /hr / 2,070 m <sup>2</sup> /h	25,714 ft <sup>2</sup> /hr / 2,389 m <sup>2</sup> /hr	22,286 ft <sup>2</sup> /hr / 2,070 m <sup>2</sup> /h	20,260 ft <sup>2</sup> /hr / 1,882 m <sup>2</sup> /hr
Estimated Coverage* – ec-H2O NanoClean®	23,124 ft <sup>2</sup> /hr / 2,148 m <sup>2</sup> /hr	23,680 ft <sup>2</sup> /hr / 2,200 m <sup>2</sup> /hr	27,323 ft <sup>2</sup> /hr / 2,538 m <sup>2</sup> /hr	23,680 ft <sup>2</sup> /hr / 2,200 m <sup>2</sup> /hr	21,527 ft <sup>2</sup> /hr / 2,000 m <sup>2</sup> /hr
<b>BRUSH DRIVE SYSTEM</b>					
Scrub motor	2x 24 VDC, 0.75 hp / 0.55 kW	2x 24 VDC, 0.75 hp / 0.55 kW	2x 24 VDC, 0.75 hp / 0.55 kW	2x 24 VDC, 0.63 hp / 0.47 kW	24 VDC, 0.75 hp / 0.55 kW
Brush Pad RPM	220 rpm	220 rpm	220 rpm	1500 rpm	2200 rpm
Brush down pressure	Low: 40 lbs / 18 kg Med: 80 lbs / 36 kg High: 120 lbs / 54.5 kg	40 lbs / 18 kg 80 lbs / 36 kg 120 lbs / 54.5 kg	40 lbs / 18 kg 80 lbs / 36 kg 120 lbs / 54.5 kg	40 lbs / 18 kg 80 lbs / 36 kg 120 lbs / 54.5 kg	110 lbs / 50 kg 140 lbs / 63.5 kg 170 lbs / 77 kg
<b>SOLUTION/RECOVERY SYSTEM</b>					
Solution tank capacity	22.5 gal / 85 L	22.5 gal / 85 L	22.5 gal / 85 L	22.5 gal / 85 L	22.5 gal / 85 L
Recovery tank capacity	27 gal / 102 L	27 gal / 102 L	27 gal / 102 L	27 gal / 102 L	27 gal / 102 L
Vacuum motor	24 VDC, 0.63 hp / 0.47 kW	24 VDC, 0.63 hp / 0.47 kW	24 VDC, 0.63 hp / 0.47 kW	24 VDC, 0.63 hp / 0.47 kW	24 VDC, 0.63 hp / 0.47 kW
Vacuum water lift	46 in / 1170 mm	46 in / 1170 mm	46 in / 1170 mm	46 in / 1170 mm	46 in / 1170 mm
Vacuum Water lift - Quiet-Mode™	32 in / 810 mm	32 in / 810 mm	32 in / 810 mm	32 in / 810 mm	32 in / 810 mm
<b>CLEANING TECHNOLOGY</b>					
Conventional	Standard	Standard	Standard	Standard	Standard
ec-H2O NanoClean®	Optional	Optional	Optional	Optional	Optional
Severe Environment™ (optional only with ec-H2O NanoClean®)	Optional	Optional	Optional	Optional	Optional
Severe Environment detergent tank capacity	0.66 gal / 2.5 L	0.66 gal / 2.5 L	0.66 gal / 2.5 L	0.66 gal / 2.5 L	0.66 gal / 2.5 L
<b>BATTERY SYSTEM</b>					
System Voltage	24 volt	24 volt	24 volt	24 volt	24 volt
Battery Types - 4 required					
Wet 225AH	Standard	Standard	Standard	Standard	Standard
Wet 260AH	Optional	Optional	Optional	Optional	Optional
Sealed AGM 220A	Optional	Optional	Optional	Optional	Optional
Battery run time Wet 260AH (up-to hours)**	5.9	5.9	5.4	5.4	4.9
On-board or off-board charger	Standard	Standard	Standard	Standard	Standard
Smart-Fill™ Automatic Battery Watering					
Tank Capacity (Option)	0.66 gal / 2.5 L	0.66 gal / 2.5 L	0.66 gal / 2.5 L	0.66 gal / 2.5 L	0.66 gal / 2.5 L
<b>PROPELLING SYSTEM</b>					
Scrubbing speed	2.5 mph / 4.0 kph	2.5 mph / 4.0 kph	2.5 mph / 4.0 kph	2.5 mph / 4.0 kph	2.3 mph / 3.7 kph
Transport speed	2.7 mph / 4.3 kph	2.7 mph / 4.3 kph	2.7 mph / 4.3 kph	2.7 mph / 4.3 kph	2.7 mph / 4.3 kph
<b>MACHINE SPECIFICATIONS</b>					
Length	58.5 in / 1,486 mm	59.1 in / 1,501 mm	61.1 in / 1,552 mm	59.1 in / 1,501 mm	58.5 in / 1,486 mm
Width	27.5 in / 700 mm	29.5 in / 750 mm	33.5 in / 850 mm	30.7 in / 780 mm	28.0 in / 710 mm
Height	43.3 in / 1,100 mm	43.3 in / 1,100 mm	43.3 in / 1,100 mm	43.3 in / 1,100 mm	43.3 in / 1,100 mm
Squeegee width	38.3 in / 973 mm	41.3 in / 1,049 mm	46.6 in / 1,234 mm	46.6 in / 1,234 mm	41.3 in / 1,049 mm
Aisle turnaround width	59 in / 1,499 mm	59.6 in / 1,514 mm	61.6 in / 1,565 mm	59.6 in / 1,514 mm	59 in / 1,499 mm
Weight (without batteries)	320 lbs / 145 kg	330 lbs / 150 kg	355 lbs / 161 kg	370 lbs / 168 kg	370 lbs / 168 kg
Weight (with batteries)	610 lbs / 277 kg	620 lbs / 281 kg	645 lbs / 293 kg	660 lbs / 299 kg	660 lbs / 299 kg
GWW	800 lbs / 363 kg	810 lbs / 367 kg	835 lbs / 379 kg	850 lbs / 386 kg	850 lbs / 386 kg
Sound level (operator's ear)***	66.5 dBA	66.5 dBA	66.5 dBA	66.4 dBA	67.0 dBA
Quiet-Mode (operator's ear)***	61.7 dBA	61.7 dBA	61.7 dBA	61.8 dBA	60.6 dBA

## WARRANTY

See your local representative for warranty information

\* Estimated coverage rates use the practical speed and empty/fill time standards from the 2004 ISSA Cleaning Times handbook.

\*\* Up to run-times are based on continuous scrubbing run-times, 260AH batteries, Quiet-Mode setting, low down pressure, ec-H2O off.

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

Specifications subject to change without notice.



ec-H2O NanoClean® technology is NFSI (National Floor Safety Institute) Certified



ec-H2O NanoClean technology is registered by NSF International

## SEEING IS BELIEVING

For a demonstration or additional information,  
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