

# T20

## Heavy Duty Industrial Scrubber

- Achieve superior cleaning results in the harshest environments with aggressive scrubbing, chemical-free ec-H2O™ or FaST® technologies, and Maxpro™ hydraulic engineering
- Reach a new standard of safety with optimized operator ergonomics and just-scrubbed floors dry and safe for traffic FaST®
- Lower your total cost of ownership through innovative engineering that increases productivity and reduces service and maintenance



The Safe Scrubbing Alternative®

Extended Scrubbing

# Superior cleaning results at a lower total cost of ownership.

From a heritage of exceptional engineering comes the new T20: an industrial scrubber that will streamline your cleaning operation and reduce costs without compromising safety or performance.

## Dramatically lower your total cost of ownership

Superior Tennant engineering innovations in hydraulic technology, tank clean-out, and engine access reduce maintenance costs and unproductive downtime.

## Increase your environmental safety

Set a new standard of safety while minimizing the risk of damage to your machine and facility with an ergonomically-designed operator compartment, heavy-duty frame with Grip-N-Go™ rollers, and ec-H2O™ or FaST® technologies for drier, safer floors.

## Improve your productivity

Longer run times, easy brush changes, and quick recovery tank draining make the T20 a machine you can depend on every day of the week.



## Exclusive Technologies

(optional cleaning innovations)

### ecH2O™ *Electrically converted water*

- |                 |   |
|-----------------|---|
| Increase safety | <ul style="list-style-type: none"><li>• High traction certified by NFSI</li><li>• Reduce chemical accidents</li></ul>                               |
| Reduce costs    | <ul style="list-style-type: none"><li>• Eliminate purchase of daily cleaners</li><li>• Reduce water consumption and disposal by up to 70%</li></ul> |
| Soil type       | <ul style="list-style-type: none"><li>• Replace daily cleaners</li><li>• Effective on food-based oils and greases</li></ul>                         |

### FaST® *Foam-activated chemical*

- |                 |  |
|-----------------|--|
| Increase safety | <ul style="list-style-type: none"><li>• High traction certified by NFSI</li><li>• Eliminate measuring and mixing</li></ul>                     |
| Reduce costs    | <ul style="list-style-type: none"><li>• Reduce chemical usage up to 90%</li><li>• Reduce water consumption and disposal by up to 70%</li></ul> |
| Soil type       | <ul style="list-style-type: none"><li>• Three grades of chemical from light-duty cleaner to heavy-duty degreaser</li></ul>                     |

### ES® *Recycled for extended scrubbing*

- |                 |  |
|-----------------|--|
| Increase safety | <ul style="list-style-type: none"><li>• Reduce chemical handling by 66% (Three cycles maximum per fill)</li></ul>        |
| Reduce costs    | <ul style="list-style-type: none"><li>• Reduce water consumption and disposal by up to 66%</li></ul>                     |
| Soil type       | <ul style="list-style-type: none"><li>• All grades of chemical – mainly medium cleaner to heavy-duty degreaser</li></ul> |

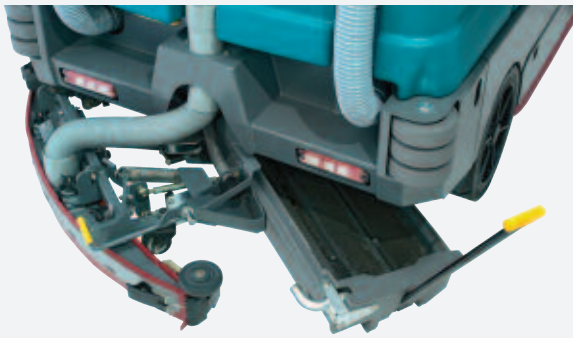
**All technologies increase scrub time up to three times**



## COST-EFFICIENT AND PRODUCTIVE.



EasyOpen™ service access takes you quickly, easily into the heart of the T20, reducing your downtime, service time, and maintenance costs.



EasyRemove debris tray glides in and out on wheels, relieving operators of strain during transport and dumping, and increasing uptime.



Achieve outstanding cleaning results in the harshest industrial environments with dual cylindrical brushes, or three, aggressively-driven gimble-mounted disk brushes.

## INSIDE THE T20



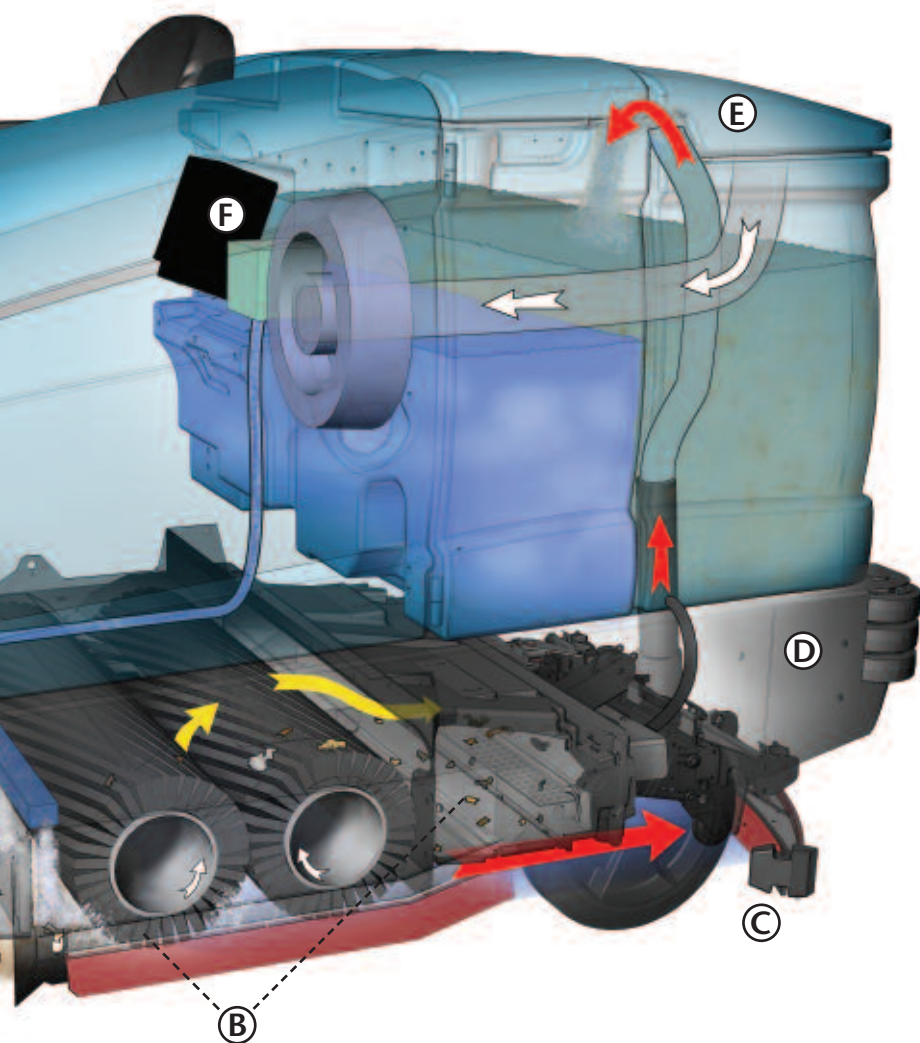
**A**

Reduce training time with the Touch-N-Go™ control panel featuring 1-STEP™ scrubbing.

**B**

Maximize productivity with cylindrical brushes alongside the EasyRemove debris tray.





**C**

Maximize water pick-up and reduce maintenance with the Dura-Track™ squeegee with SmartRelease™

**D**

Count on durable, steel frame and Grip-n-Go™ corner rollers to withstand the toughest environments.

**E**

Quickly, easily sanitize solution and recovery tanks with easy-access Hygenic® tanks.

**F**

Reduce environmental impact with ec-H2O™ or FaST® technologies.

## KEY AVAILABLE FEATURES

### Increase productivity up to 3 hours



Ideal for more porous concrete, ES® filters and recycles solution, using less water and reducing waste.



### Widen the cleaning path from 1020 mm up to 1370 mm

Achieve superior edge-cleaning and maximize productivity with an optional side brush.



### Improve cleaning results




Spot clean hard-to-reach areas with the 5 m spray hose.



### Protect your T20 – and your facility

Shield squeegee from backing into structures or hooking onto obstacles with rear and side steel guards.

# THE NEW T20 VS. COMPARABLE INDUSTRIAL SCRUBBERS

	New T20 Scrubber	Comparable Scrubbers	
Increased Safety	<p><b>FaST®</b> NFSI-certified to increase floor traction</p> <p><b>ErgoSpace™</b> operator compartment Improves visibility</p> <p><b>Grip-N-Go™</b> corner rollers Facility and machine protection</p> <p><b>Triple-sealed electrical connectors</b> UL-certified system protection</p>	<p>Leaves slippery residue</p> <p>Limited operator visibility</p> <p>Inferior frame protection</p> <p>Push-on electrical connectors</p>	
Reduced Costs	<p><b>ec-H2O™</b> No chemicals, 70% less water</p> <p><b>On-board diagnostics</b> Quick, easy maintenance</p> <p><b>SmartRelease™</b> squeegee Reduced replacement parts</p> <p><b>CleanWedge™</b> brushes Longer life, slower wear rate</p> <p><b>No tool squeegee, brush change</b> Operators can spend more time cleaning</p>	<p>Conventional detergents</p> <p>Trial and error</p> <p>Bolt-on squeegee</p> <p>Generic brushes</p> <p>Wingnuts and rusted bolts</p>	
Maximum Productivity	<p><b>ES®</b> with detergent metering Extend your cleaning times up to 3.5 hours</p> <p><b>Smooth, front-wheel steering</b> Nimble, easy maneuverability</p> <p><b>EasyOpen™</b> service access Minimum maintenance, maximum uptime</p> <p><b>Touch-N-Go™</b> operation Reduced training, increased productivity</p> <p><b>Hygenic®</b> tanks Minimum downtime with easy access and sanitization</p> <p><b>Variable Drain Valve™</b> No fuss, no mess</p>	<p>Inefficient detergent metering</p> <p>Awkward rear-wheel steering</p> <p>Restricted access, limited visibility</p> <p>Inefficient, multi-step starting process</p> <p>Difficult to visually, manually inspect tanks</p> <p>Minimal control, messy draining</p>	



## Tennant Company Environmental Stewardship



**ec-H2O and FaST technologies are NFSI (National Floor Safety Institute) Certified.** NFSI certification ensures a product has passed a 2-phase testing process, proving the floor product helps to reduce potential for slip-and-fall accidents.



**ec-H2O and FaST technologies are 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 and FaST technologies 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).



**FaST is a Green Seal (GS-37) Certified Detergent.** Green Seal evaluates and certifies cleaning products based on criteria such as the toxicity of the product, skin and eye irritation, skin sensitization, combustibility, toxicity to aquatic life, and packaging.



Conserve  
Resources



Reduce  
Detergents



Increase  
Safety



Improve  
Air Quality



Reduce  
Noise

## T20 INDUSTRIAL RIDER SCRUBBER

### Integrated Cleaning System

Cleaning path	
Cylindrical main brushes	1,020 mm
Disk main brushes	1,070 mm
With scrubbing side brush	1,370 mm
With sweeping side brush (cylindrical only)	1,420 mm
Cylindrical main brushes	
Brush speed	480 rpm
Brush down pressure (up to)	177 kg
Brush diameter (2)	300 mm
Disk main brushes	
Brush speed	230 rpm
Brush down pressure (up to)	181 kg
Brush diameter (3)	360 mm
Disk side brush	
Brush speed	150 rpm
Scrubbing brush diameter	410 mm
Sweeping brush diameter (cylindrical)	530 mm
Tanks	
Solution tank	303 L
Solution capacity with ES®	473 L
Recovery tank	360 L
Demisting chamber	57 L
Debris tray	
Volume capacity	31 L
Weight capacity	50 kg
Vacuum fans	
Speed	11,000 rpm
Water lift	890 mm

### Propelling System

Propel speed forward (variable to)	13 km/h
Propel speed reverse (variable to)	6.4 km/h
Engine-gasoline/LPG (1.6 L)	41 kW
Engine-diesel (Kubota)	28 kW
Gradeability	
Transport at gross weight	10.0 deg/18%
Working (cleaning)	8.0 deg/14%
Ground clearance	76 mm

### Machine Dimensions

Length	2,410 mm
Width	
Frame	1,270 mm
Rear squeegee	1,300 mm
With side brush	1,470 mm
Height	1,470 mm
With overhead guard	2,120 mm
Weight (empty)	1,497 kg
Minimum aisle turn	2,790 mm

*Specifications subject to change without notice.*

## SEEING IS BELIEVING

For a demonstration or additional information,  
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