

T28/30 Series



HILLYARD
The Cleaning Resource®

TRIDENT®

Better Built. Better Equipment.

Better Built. Better Equipment.

Our Trident Brand of equipment starts from the ground up - at a place where intelligent design intersects with innovative technology and exceptional engineering to deliver superior cleaning equipment. Cleaning equipment that lowers your total cost of ownership, reduces your cost to clean and improves cleaning results. It's what you expect out of your equipment investment, and it's what we deliver. We're Hillyard, The Cleaning Resource, since 1907.



Intelligent
Design



Exceptional
Engineering



Innovative
Technology



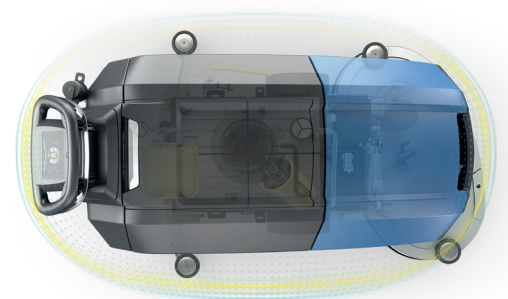
T30SC Pro - Disc



T28SC Plus - Orbital



T28SS Pro - Cylindrical



The outer body surrounds the internal structure and mechanical parts, protecting them from impact.

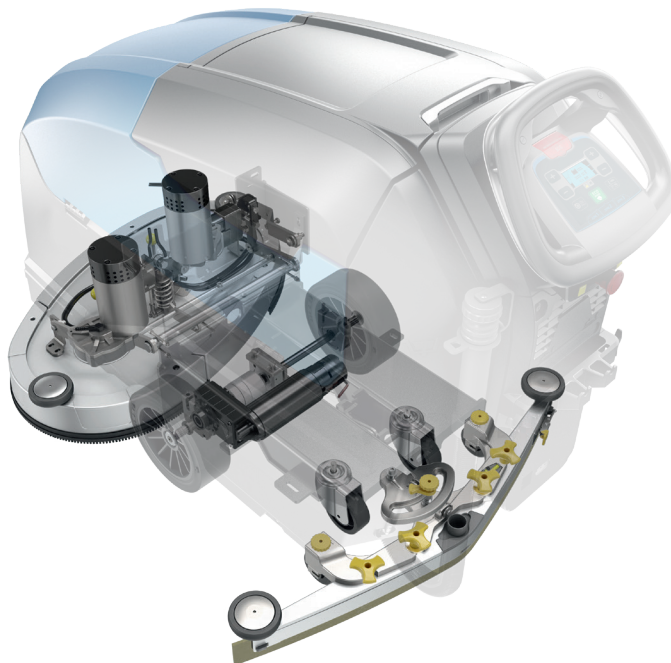


Designed to Last a Lifetime

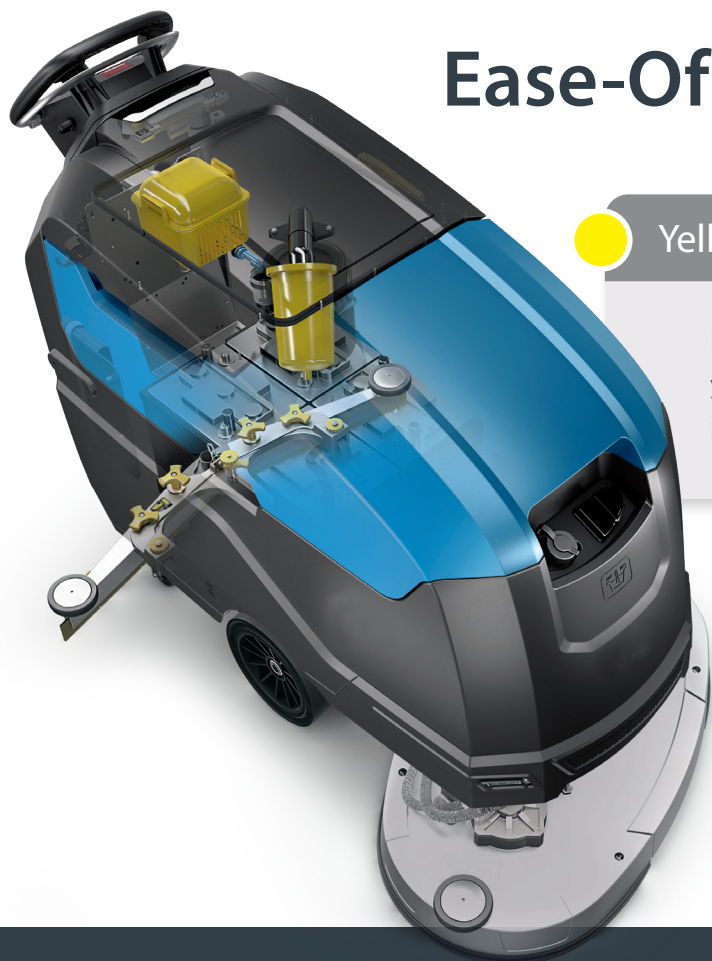
Innovative Aluminum Components

- Corrosion-Resistant
- Sturdy and Durable
- Light Weight
- Precision Fit

The brush head deck and the squeegee assembly are made from aluminum, a material chosen for its durability, corrosion resistance and reliability over time. Aluminum is light weight providing better maneuverability.



Ease-Of-Use



Yellow Color-Coded Parts

Parts that should be cleaned daily are color-coded in yellow. This saves time and makes sure your scrubber is kept in perfect condition at all times.

Eco Mode For Conservation

Activate the Eco Mode to help conserve water, detergent and energy by using only the quantities needed and nothing more while still getting the cleaning performance required.



Increase Productivity



Consistent Cleaning Results

Pressure on the brushes is kept constant, delivering consistent high-level cleaning results.



Rapid Dry

The powerful 2-stage vacuum motor immediately dries the floor, reducing the chance of slip/falls.



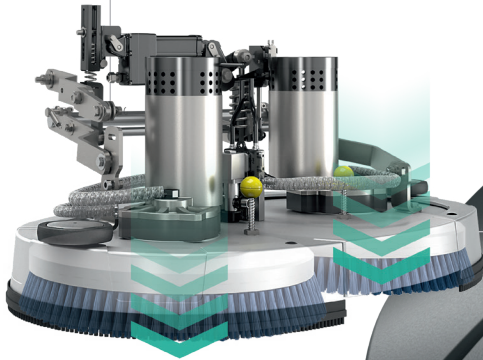
Dual Pressure Setting

Change pressure at the touch of a button. Apply more pressure for heavy soil loads without stopping. Apply less pressure for normal soil loads.



One-Touch - Service On-Site

One-touch service contact in case of emergency. Pushing the red button will automatically send an e-mail to the authorized Hillyard service department on record. The service department can quickly act. Requires HFM.



Pictured with optional Trident Dosing Control button (yellow).



Safety



Emergency Stop

By pressing a single button the machine stops immediately.



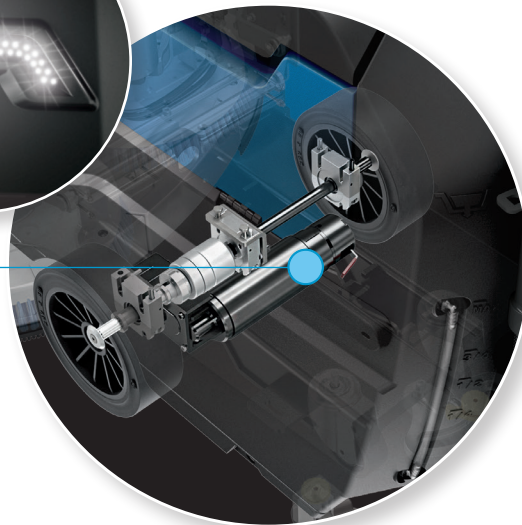
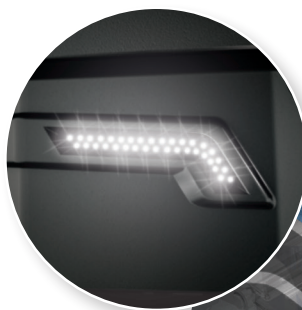
LED Lighting

Optional front LED headlights maximize safety in all conditions.



Automatic Electro Braking

Automatically operated safety break engages when the machine stops. It acts as a safety parking brake.



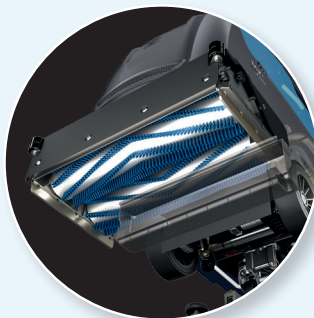
Scrubbing Technologies

T30SC Pro - Disc



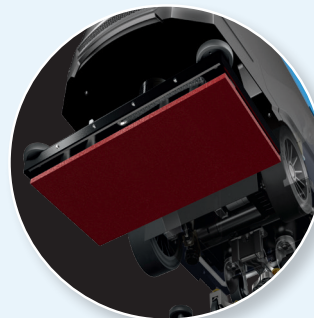
Two disc brushes efficiently clean all hard floors, smooth or irregular, in any setting, effortlessly removing stubborn dirt with higher downpressure.

T28SS Pro - Cylindrical



Cylindrical brushes scrub and sweep simultaneously, collecting debris in a removable hopper at the rear of the brush head for easy emptying.

T28SC Plus - Orbital



Orbital scrub decks on provide superior cleaning performance, effectively removing stubborn dirt while minimizing water usage.

Sustainable Technologies



TES

Trident Energy Saver

Reduces energy consumption by up to 35%. LED technology consumes much less energy than conventional headlights, offers a longer lifespan and illuminates with a brilliant natural daylight.



TFC

Trident Flow Control

Engineered water flow system that delivers equal solution to both scrub brushes ensuring proper coverage to deliver consistent cleaning quality. T30SC Pro only.



TDC

Trident Dosing Control

Water and detergent are dosed separately, optimizing cleaning and reducing chemical and water consumption by up to 50%. Available as an option.



Better Built. Better Equipment.

Join The Connected Cleaning World*

Keep tabs on your machines remotely whenever you want and from wherever you want!


HFM

Hillyard Fleet Management



GEOLOCATION

Know where your machines are.



USAGE DATA

Know who's using your machine and how it is being used.



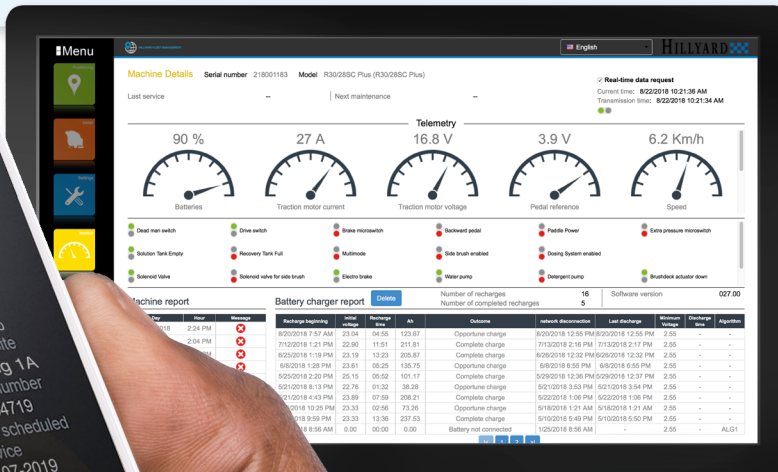
MAINTENANCE

Know the health status of machines.



TELEMETRY

Critical machine data is always being monitored for peak performance.



Discover the HFM universe and experience the advantages of being constantly connected with the My.Equipment app!



My.Equipment

An authorized Hillyard Trident Service Center can also view real-time telemetry data, diagnose systems, and update settings over the internet - keeping your equipment running at peak performance - and minimizing downtime.

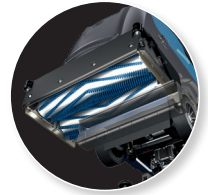


* Requires optional Hillyard Fleet Management module and subscription.

T28SS Pro / T30SC Pro

Membrane Control Panel

Disc and Cylindrical models feature a membrane control panel. Its sleek design simplifies operation, enhancing user experience and reducing training time. Resistant to water and chemicals, it ensures durability in harsh cleaning environments. With intuitive controls, it facilitates precise adjustments, optimizing cleaning efficiency and productivity.

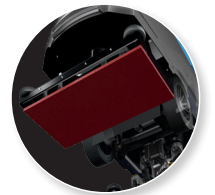


T28SC Plus - Orbital

Touch Screen Control Panel

All functions and activities are managed from a single interface, where a mere touch of the finger offers access to an extraordinary choice of customizable features that satisfy all types of requirements with effortless simplicity.

The high-definition color display offers the same intuitive experience as a smartphone.



LOG-IN WITH PASSWORD

Protect your investment and personalize the settings.



CUSTOM WORK ZONE PROGRAMS

Easily tailor machine settings for each zone. Just choose the zone, and settings adjust automatically.



ECO MODE

Sustainable cleaning, Reduces sound, water and detergent consumption, and saves energy.



POWER MODE

Maximum power for tough cleaning.



ONBOARD DIGITAL INSTRUCTIONS

Giving you all the information you need exactly when you need it.

Power Options

Maintenance Free



- The ultimate solution for simplicity and durability.
- Virtually maintenance free. Just plug in the charger when not in use.
- Full replacement three-year warranty with use of the included Protection from Overdischarge (POD) device.



Flooded Lead Acid



- Conventional deep-cycle battery for cleaning equipment.
- High quality, lower-cost alternative to maintenance-free batteries.
- Requires routine maintenance to maintain electrolyte levels and warranty. Pro-rated one-year warranty.



Battery Charger - Lester Summit Series II



Full replacement 3-year warranty



BLUETOOTH®

Featuring Bluetooth wireless communication with apps for Apple® and Android® phones and tablets. View charge cycle status, select the active battery profile, upload new profiles, change between on-board and off-board and download charge history records anytime using just a smart phone or tablet.



PERFORMANCE

Our Summit Series® II provides industry leading charging performance and intelligence. Our proprietary Progressive DV/DT charge algorithm ensures a precisely charged battery every time. The chargers are tested in extreme temperatures and operating conditions and built to last.



EFFICIENCY

Our switch mode (high frequency) chargers have best-in-class efficiency and are compliant with the latest DOE and CEC standards. We operate a CEC approved laboratory in our Lincoln, NE manufacturing plant.



Standard and Optional Equipment

● STANDARD ○ OPTION – NOT AVAILABLE

User Experience	T28SS Pro	T28SC Plus Orbital	T30SC Pro
"Zone" Program	●	●	●
Eco Mode	●	●	●
Membrane Control Panel	●	–	●
Touch Screen Control Panel	–	●	–
Comfort			
Hour Meter	●	●	●
Key Switch	●	●	●
Cleaning Solution Level Indicator	●	●	●
Onboard Battery Charger	○	○	○
Brush Actuator	●	●	●
Squeegee Actuator	–	●	–
Squeegee Manual Lifting	●	–	●
Productivity			
Speed Selector	●	●	●
Water Flow Selector	●	●	●
Pad Pressure Settings	2	3	2
HFM - Hillyard Fleet Management With SOS Device	○ - HIL229006*	○ - HIL227524*	○ - HIL226111*
Aluminum Squeegee & Squeegee Support	●	●	●
Safety			
Driving LED Light Pack Kit (Front)	○ - HIL227191*	○ - HIL227191*	○ - HIL227191*
Emergency Stop	●	●	●
Electro Parking Brake	●	●	●
Environment			
TDC - Trident Dosing Control	○ - HIL228463*	○ - HIL228463*	○ - HIL228463*
TES - Trident Energy Saver	●	●	●
TFC - Trident Flow Control	–	–	●

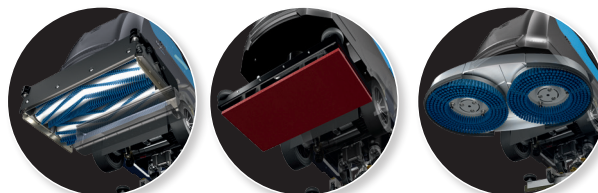
*Dealer Installed Option

Squeegees, Brushes and Pads

Squeegee Replacement	T28SS Pro	T28SC Plus Orbital	T30SC Pro
Front and Rear Squeegee Kit (Standard Rubber Shore 40)	HIL228496	HIL228496	HIL225737

Brush and Pad Replacement	T28SS Pro Cylindrical Brushes	T28SC Plus Orbital 28 x 14 Inch	T30SC Pro Disc Brushes
Brush(es) - Soft, 0.3MM PPL, Blue	HIL449785	n/a	HIL414272
Brush(es) - Medium, 0.6MM PPL, White (Standard)	HIL448012	n/a	HIL414270
Brush(es) - Stiff, 0.9MM PPL, Black	HIL448013	n/a	HIL414273
Brush(es) - Abrasive, 80 Grit, Gray	HIL448014	n/a	HIL414271
Pad - Red	n/a	HIL41428	HIL42215

Brushes are sold individually. Each machine requires 2 brushes.



Specifications

Specifications		T28SS Pro Cyl	T28SC Plus Orbital	T30SC Pro
Hillyard Item Number		HIL56028	HIL56032	HIL56029
Cleaning Path	In	28	28	30
Squeegee Width	In	39.4	39.4	35.4
Disc Brushes	(No.) In	n/a	n/a	(2) 15
Cylindrical Brushes	(No.) In	(2) 7.08 x 24	n/a	n/a
Rectangular Pad Holder	(No.) In	n/a	28 x 14	n/a
Solution Tank	Gal	19.5	19.5	19.5
Recovery Tank	Gal	22.5	22.5	22.5
Debris Hopper	Gal	2.1	n/a	n/a
Supply/Traction	V	24/Automatic	24/Automatic	24/Automatic
Acoustic Level (Iso 11201)	Db (A)	<70	<70	<70
Brush Motor(s)	(No.) V/W	(2) 24/450	(1) 24/680	(2) 24/500
Vacuum Motor	V/W	24/422	24/422	24/422
Traction Motor	V/W	24/300	24/300	24/300
Brushes RPM	RPM	550	n/a	140
Orbital Oscillations	RPM	n/a	2000	n/a
Brush Pressure - Variable Range	Lb	33 - 88	88 - 110 - 132	77 - 126
Forward Speed	MPH	3	3	3
Productivity	Sq.ft/Hr	27,700	27,700	32,200
Battery Compartment Dimensions (L,H,W)	In	20.6 - 12.6 - 15.6	20.6 - 12.6 - 15.6	20.6 - 12.6 - 15.6
Machine Dimensions (L,H,W)	In	57.9 - 43.0 - 28.8	57.9 - 43.0 - 28.8	59.6 - 43.0 - 31.3
Machine Weight (Without Battery)	Lb	423	430	426
Contents		1 - Machine 2 - Cylindrical Brushes 1 - Owners Kit	1 - Machine 1 - Red Pad 1 - Owners Kit	1 - Machine 2 - Nylon Brushes 2 - Pad Holders 1 - Owners Kit

ORDER WITH FACTORY INSTALLED BATTERIES

Equipment purchased with factory installed batteries include batteries, cables, and a shelf charger. TPPL machines are equipped with the required Protection From Overdischarge (POD) device.

Model	T28SS Pro Cylindrical		T28SC Plus Orbital		T30SC Pro Disc	
Hillyard Item Number	HIL56028SLA	HIL56028WET	HIL56032SLA	HIL56032WET	HIL56029SLA	HIL56029WET
Battery Type	Maintenance Free (TPPL)	Flooded Lead Acid	Maintenance Free (TPPL)	Flooded Lead Acid	Maintenance Free (TPPL)	Flooded Lead Acid
Quantity	2	4	2	4	2	4
Voltage / Capacity	12 V / 157 AH	6 V / 240 AH	12 V / 157 AH	6 V / 240 AH	12 V / 157 AH	6 V / 240 AH
Dimensions LxWxH (in)	17.5 x 7 x 10.5	10.3 x 7.1 x 10.9	17.5 x 7 x 10.5	10.3 x 7.1 x 10.9	17.5 x 7 x 10.5	10.3 x 7.1 x 10.9
Weight, Each (lbs)	117	66	117	66	117	66
Includes	Machine, batteries, cables, shelf charger, POD device	Machine, batteries, cables, shelf charger	Machine, batteries, cables, shelf charger, POD device	Machine, batteries, cables, shelf charger	Machine, batteries, cables, shelf charger, POD device	Machine, batteries, cables, shelf charger



HILLYARD
The Cleaning Resource*

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Subject to change without notice.