



**BOOK A  
FREE DEMO  
NOW**

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Call us on  
**1300 347 347**

**R12 - REX**

# THE KING OF CLEANS



SINGAPORE  
GOOD  
DESIGN  
2022





## R12 REX SCRUB

### OUR ANSWER TO LARGE-SCALE CLEANING.

When we call our R12 Rex Scrub the king, we mean it. With two highly-efficient 16-inch class-leading brushes, its 80kg of unadulterated scrubbing power is distributed over a larger surface area, maximising its cleaning speed and efficacy to deliver dramatic results in just one pass—for up to 10 hours. It's time to make way for the King of Cleans.

#### AT A GLANCE



##### 8-10 HOURS LONG RUNTIME

Out-cleans the competition—twice over. While competitor robots only run for 4-6 hours, the R12 Rex Scrub can clean up to 10 hours on a single charge.



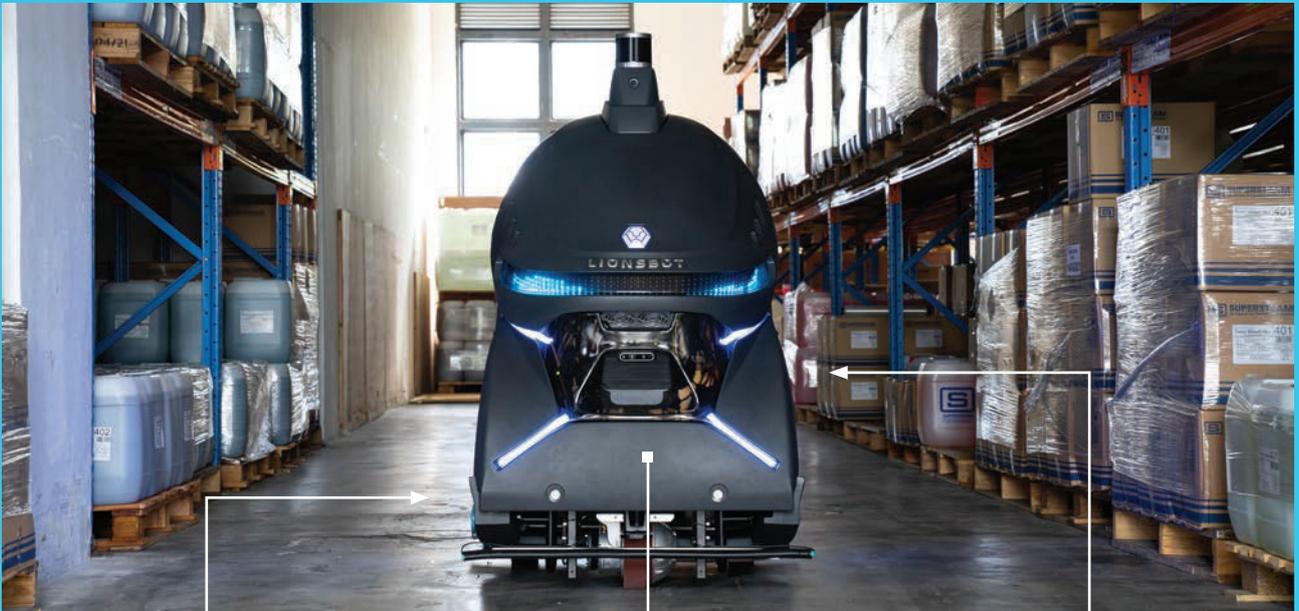
Before Defoamer



After Defoamer

##### CHEMICAL DOSING

Every R12 Rex has a defoaming chemical dosing system that allows it to accurately control the ratio of chemicals to water, delivering the optimum amount to every clean—and netting long-term savings.



**81CM**

**CLEANING WIDTH**

Two 16-inch brushes with a total coverage of 81cm—exceptional for its class—to clean more, and clean faster.

**80KG**

**DOWNWARD PRESSURE**

With this much class-leading cleaning power, even the toughest of stains are no match for the R12 Rex Scrub.

**TWO 140L**

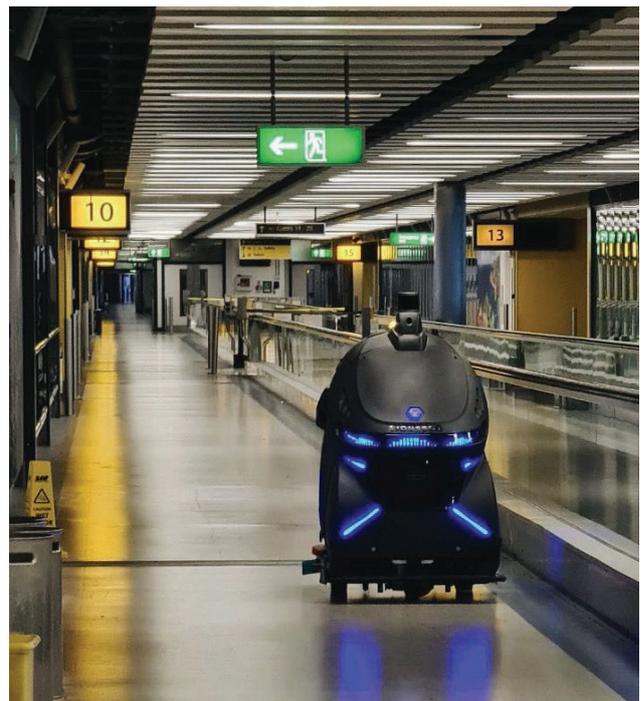
**CAPACITY TANKS**

Get more cleaning done out of every charge—with two huge 140L clean water and recovery tanks.

## PLACES WE CLEAN



Shopping malls



Airports

# R12 REX CS

## NO MORE PRE-SWEEPING.

Outclassing autonomous cleaning robots in its category, there's no stain too stubborn nor site too spacious for the R12 Rex CS. Designed for high performance and convenience, it cleans large areas while picking up debris with twin cylindrical brushes and side brushes—no more pre-sweeping needed. When it comes to cleaning, there's nothing more effective.



## CLEANS LIKE A CHAMPION FOR 3.5 - 4.5 HOURS



### 95KG DOWNWARD PRESSURE

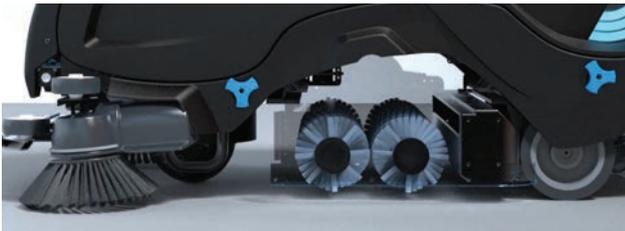
Ensures that your floors receive better cleaning, leaving them immaculate after the R12 Rex CS is done with them.



### NYLON CARBIDE-COATED CYLINDRICAL BRUSHES

Designed and built for incredible durability, ensuring that it can clean and sweep up debris effectively and without interruption.

## AT A GLANCE



### 127CM CLEANING WIDTH

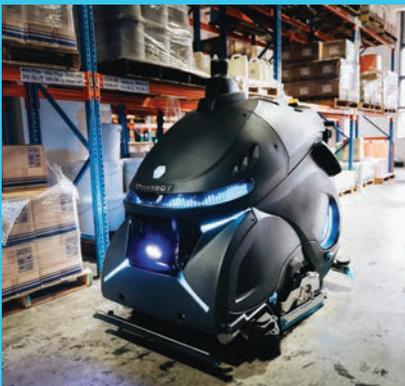
A large cleaning coverage courtesy of its impressive twin 77cm cylindrical brushes and side brushes, that also pick up debris efficiently.



### 9.5L DEBRIS TRAY

Designed for convenience and built with plastic, ensuring that it's easy to clean and non-corrosive.

## AREAS WE CLEAN



Warehouses



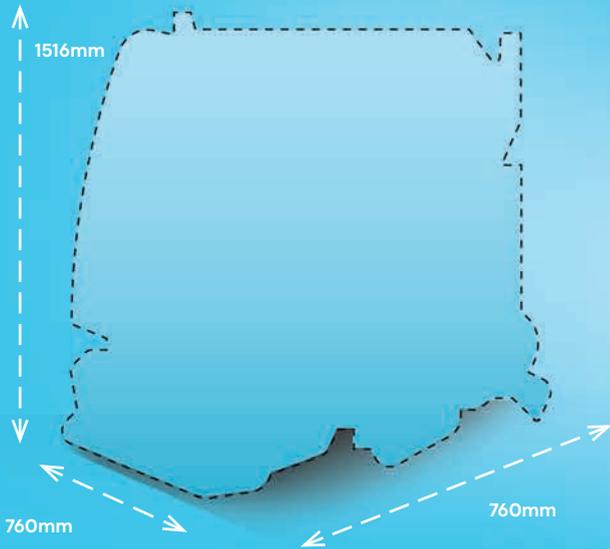
Carparks



Factories

# COMPARED TO OTHER 100L MACHINES, THE R12 REX 'ROARS.'

## COMPETITION



## THE R12 REX



**109 L**

REX carries  
28% MORE  
water

**140 L**

**66 cm**

Its brushes  
are 22%  
BIGGER

**81 cm**

**4 - 6 hrs**

It has a  
LONGER  
runtime

**8 - 10 hrs**

**75 dB**

And blends  
into the  
background  
noise

**75 dB**

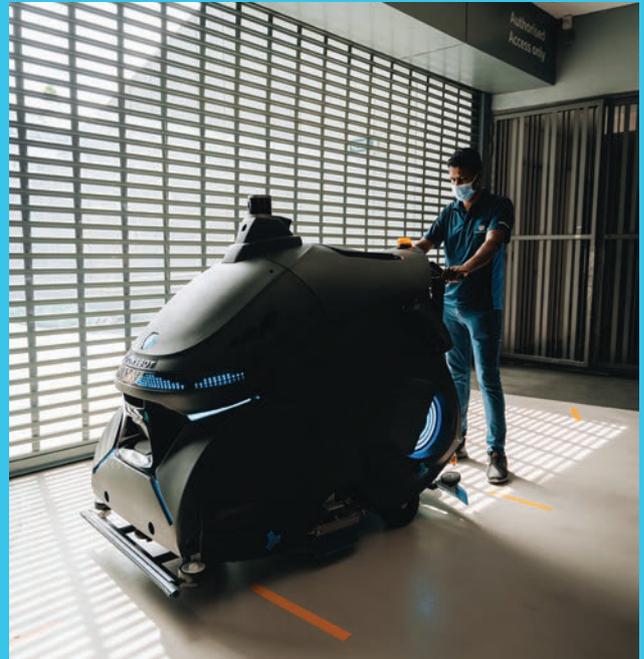
## EASY TO USE, ALWAYS

The Rex maximises accessibility with multiple modes of use — giving users maximum flexibility in all cleaning situations.



### AUTOMATIC MODE

Hands-free autonomous cleaning and self-docking with just a few taps



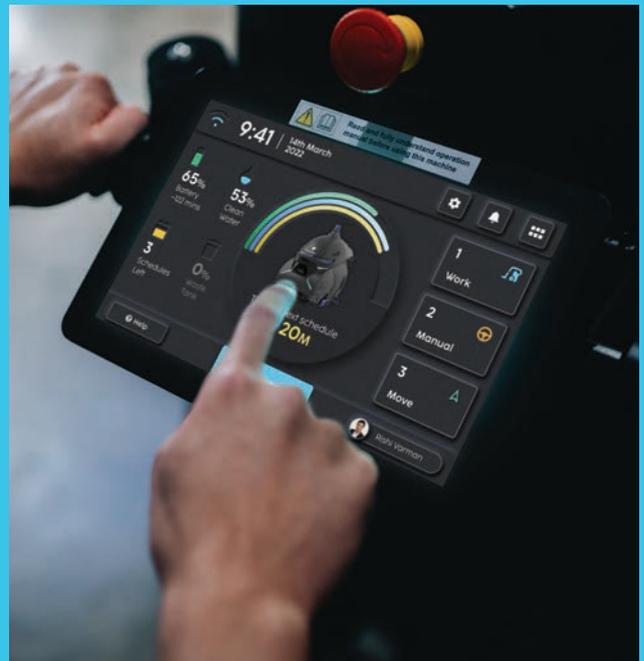
### MANUAL MODE

Intuitive handling makes hands-on control easy



### LIONSCLEAN APP

Complete control in the palm of your hand—the LionsClean app is an easy, remote way to command your Rex

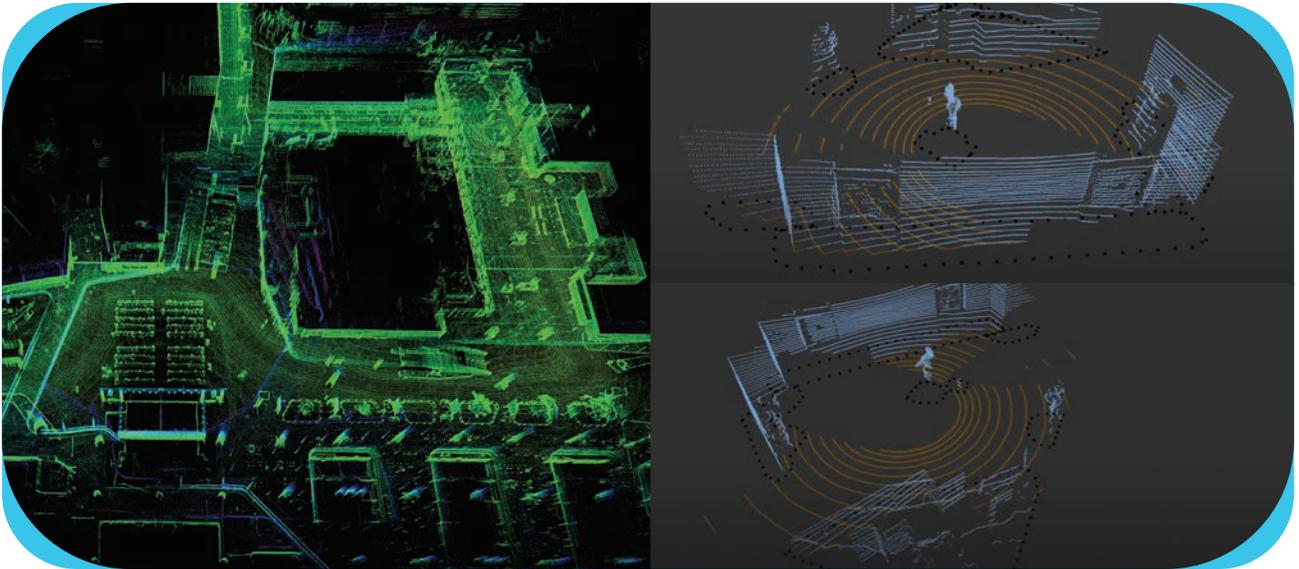


### TOUCHSCREEN MODE

The in-built touchscreen gives greater accessibility—no apps required

**CLASS LEADING WITH 3D SLAM**

**200 METER LIDAR COVERAGE**



**THE REX SEES THE WORLD IN RICH 3D**

Its class-leading, comprehensive sensor network features a high-definition LiDAR with a 200m diameter range, depth camera mesh, and sonar sensors. This means the R12 Rex is able to deliver autonomous cleaning a lot more accurately and effectively avoid dangers thanks to advanced active obstacle tracking. With 3D slam technology, the R12 Rex is able to navigate better, plan its path smarter, all while not using localisation.

**NON-STOP CLEANING**



**SWAPPABLE BATTERIES**

For a big machine, the R12 Rex is designed to make operations simple. Its powerful batteries come with their own easy-to-use trolley—just slide in and out effortlessly.



**REFUEL STATION (OPTIONAL)**

The only 100L-plus autonomous cleaning robot with auto-docking capabilities, it returns to the station automatically after every cleaning cycle—charging itself and managing solution levels with automated rinsing and water exchange.

# PROUDLY MADE IN SINGAPORE

Built for greater reliability and safety, the R12 Rex is designed to the most stringent standards, with top quality components and materials.



## BUILT TO LAST

Built and designed with only the best quality materials, the R12 Rex can withstand immense wear and tear over time.



## LONGEST RUNNING TIME

Its advanced energy management system allows it to outclass competitors, surpass industry standards, and run for longer.



## MADE IN SINGAPORE

Rest assured that great quality is guaranteed, with all production kept exclusively in-house at our Singapore headquarters.

## AWARD-WINNING FUTURISTIC DESIGN

Recognised as a cleaning powerhouse—and what a cleaning machine should aspire to be. A winner of the Singapore Good Design Award 2022, the R12 Rex received praise for its class-leading, cutting-edge technology and qualities.

The R12 Rex stands out with its robust, dynamic, and beautiful build that is highlighted with impressive lights and sounds—so you'll always know when it's nearby.



## DESIGNED FOR SUSTAINABILITY

Great efficiency makes for greener cleaners—and that extends to the R12 Rex as well! With a class-leading brush size and larger water and waste-water tanks, the Rex delivers efficient cleaning—a pound-for-pound winner that both you and the planet will love.

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## WATER DONATION

LionsBot works with Charity: Water to build water networks for rural communities in Bangladesh—ensuring they have access to clean water.



**2 YEARS OF ROBOT WATER CONSUMPTION IS DONATED WITH EVERY ROBOT SOLD**

**101,920 LITRES / 26,924 GALLONS**

ONE-OFF DONATION CORRESPONDING TO R12 REX WATER USAGE OVER 2 YEARS

(140 LITRES OF WATER X 7 DAYS OF USAGE PER WEEK X 52 WEEKS PER YEAR)

 **charity: water**

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## MANGROVE TREE PLANTING

LionsBot has partnered with Evergreen to ensure a mangrove is planted in Indonesia for every LionsBot robot purchased, helping to offset CO<sup>2</sup> and alleviating poverty.



**ONE**

**MANGROVE PLANTED FOR EVERY ROBOT PURCHASED**

**3,000**

TREES PLANTED TO DATE

**UP TO 300,000**

**KILOGRAMS OF CO<sup>2</sup> ABSORBED**



Evergreen

## DETAILED SPECIFICATIONS

CATEGORY	R12 REX SCRUB	R12 REX CS
Dimensions (L x W x H)	1675 x 870 x 1473 mm	1715 x 938 x 1473 mm
Robot Weight (Transport)	549.5 kg	585 kg
Robot Weight (Cleaning)	689.5 kg	748 kg
Maximum Slope	6 degrees	
Working Width	810 mm (2 x 16" Brushes/Pads)	780 mm (Without side brushes) 1270 mm (With side brushes)
Squeegee Width	950 mm	
Brush Pressure	Up to 80 kg	Up to 95 kg
Max. Cleaning & Transport Speed	Cleaning: 1.4m/s Transport: 0.7m/s	
Solution Tank	140 L	
Reovery Tank	140 L	
Chemical Pouch	5 L	
Defoamer Capacity	1 L	
Debris Tray Capacity	(NA)	9.5 L
Battery	250 Ah, J305 AGM	
Max. Runtime	8 - 10 hrs	3.5 - 4.5 hrs
Charging Time	8 hrs	8 hrs
User Control	Award winning LionsClean App, manually, or touchscreen	
Operation	Manual over-ride, Autonomous cleaning	
Cleaning Mechanism	2x Brushes or Pads, Squeegee	2x Cylindrical brush, 2x Side Sweeping brush, Squeegee



**R12 REX SCRUB**



**R12 REX CS  
(CYLINDRICAL SCRUBBING)**



**LIONSBOT**

Forward-thinking cleaning



Contact Us

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