



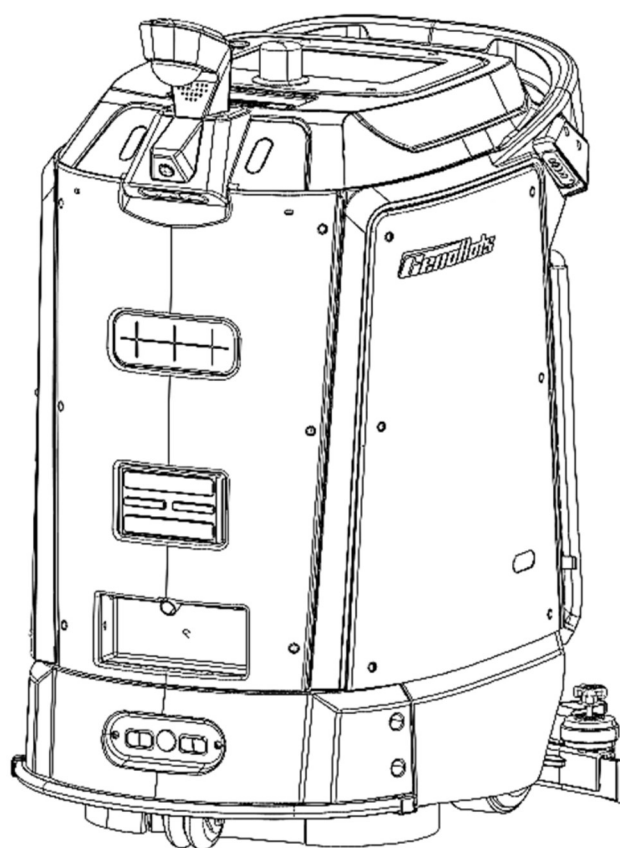
Leading the New Era of Cleaning Robotics

Autonomous Scrubber Dryer L3



User Manual

Original Instruction



2025.11



www.cenobots.com

CONTENTS

Introduction	1
Intended Use.....	1
Environment Protection	1
Machine Data Label.....	1
Uncrate the Machine	2
Safety	4
Important Safety Instructions	4
Safety Labels	7
Know your Machine	7
Overview of Appearance	7
Control Panel	9
Workstation	11
Operation.....	12
Starting Machine	12
Stopping the Machine	12
Turning off Machine.....	13
Operating the Machine Manually	13
Mobile App.....	14
Transportation.....	15
Storage	15
Maintenance	17
Battery	17
Charging Battery	17
Battery Maintenance Precaution.....	18
Workstation Maintenance	18
Troubleshooting	19
Specifications.....	21
Declaration of Conformity.....	23

Introduction

This manual is only intended for end user and provides necessary information for operating the machine. It contains the safety, operations, maintenance and the specifications of the machine.



CAUTION Read all instructions before operating or maintaining this machine.

The machine will provide the optimal service, if:

- Operate the machine properly.
- Maintain the machine regularly according to the maintenance instructions.
- Maintain the machine with manufacturer supplied or equivalent parts.

If you have questions about the instructions and explanations of this manual, please contact CenoBots.

Intended Use

L3 is an automatic drive, LFP battery powered, wide area used, AI-power scrubber dryer robot. This machine is intended for commercial use, for example in hotels, schools, hospitals, shopping mall, offices and rental businesses. It's designed to clean the hard floor (such as tile, wood floor, Concrete, terrazzo, Granite, etc.) in indoor areas.

Environment Protection



Please dispose of packaging materials and used machine components such as batteries in an environmentally safe way according to your local waste disposal regulations.



Machine Data Label

The model and serial number of the machine are shown on the nameplate which is located at the rear of the machine. This information is needed when ordering repair parts for the machine. Please note the machine model and serial number as below:

Model: _____

Serial Number: _____

Data of Purchase: _____



Uncrate the Machine

⚠CAUTION: Do not move machine from the pallet without the ramp, or it may cause damage to the machine.

When the machine is delivered, please check the packaging and machine carefully for any damage. If there is any damage, report to the carrier immediately. Contact the local dealer or CenoBots directly for missing items.

Safety

Important Safety Instructions

Save These Instructions

There are three levels of hazard intensity identified by signal words **-WARNING** and **CAUTION** and **FOR SAFETY**. The level of hazard intensity is determined by the following definitions:

⚠WARNING: To warn hazards or unsafe practices which could result in severe personal injury or death.

⚠CAUTION: To warn hazards or unsafe practices which could result in minor personal injury or product or property damage.

FOR SAFETY: To identify actions which must be followed for safe operation of equipment.

⚠WARNING: To reduce the electric shock, fire, explosion or injury:

- Always read the manual and before using the machine for the first time.
- Do not use the machine in rooms where explosive or highly combustible substances (e.g., gas, solvents, heating fuel, dust, etc.) are stored or processed.
- Do not use the machine to clean flammable or combustible materials such as gasoline or alcohol.
- Do not use the flammable cleaner.
- Power off the switch and disconnect the charger cord before servicing the machine.
- Never touch the mains plug or socket with wet hands.
- Do not use or store the machine outdoors.
- The manual charger incorporates an earth connection for functional purposes and must only be plugged into an earthed socket-outlet.
- If the supply cord of the manual charger is damaged, it must be replaced with a cord provided by CenoBots or by a qualified service agent in order to avoid hazards.

⚠WARNING: Operators shall be adequately instructed on the use of these machines.

⚠WARNING: This machine is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge.

⚠WARNING: Children should be supervised to ensure that they do not play with the machine.

⚠WARNING: Do not disassemble or replace the battery without permission of the manufacturer.

⚠WARNING: Do not use the machine for transporting goods or carrying people.

⚠WARNING: Use accessories and consumables supplied or authorized by CenoBots. The use of other accessories may impair safety.

⚠WARNING: To prevent the machine from entering sudden vertical drop areas such as small steps, stairs, escalators, etc., please use security barriers, railings, or obstacles as a safety measure.

⚠WARNING: Always follow the 'Battery Maintenance Precaution' section when using, storing and maintaining batteries.

⚠WARNING: This machine contains battery that is only replaceable by skilled persons.

⚠CAUTION: Do not over discharge the battery. Please recharge the battery when it is low on power.

⚠CAUTION: Only use the charger provided by CenoBots to charge the machine.

⚠CAUTION: Do not turn off the machine by directly turning the load-break switch to “OFF” position to avoid possibility of the data loss or damage to the machine.

⚠CAUTION: Be aware of the weight of the machine during the transportation.

⚠CAUTION: Do not use forklift directly to pick up the machine, or use lifting rope to lift the machine. Do not use the handle of the machine as a fixed point.

⚠CAUTION: Be aware of the weight of the machine during the storage.

⚠CAUTION: Do not use solution above 45°C/113°F.

⚠CAUTION: Do not use this machine at altitudes exceeding 2000 m/6562 ft.

⚠CAUTION: If the machine is in auto mode or the emergency stop button is pressed, do not push the machine forcefully to avoid the possibility of machine damage.

⚠CAUTION: When updating the software, make sure the battery level is more than 30% and do not shut down the machine as it may cause damage to the system.

⚠CAUTION: Please use only a neutral detergent (pH = 7), a low-foam or no-foam type, that does not contain rosin.

FOR SAFETY:

1. Do not operate the machine,
 - Unless trained and authorized.
 - Unless the operator manual is read and understood.
 - Under the influence of alcohol or drugs.
 - Outdoors. This machine is for indoor use only.
 - On a slope in the automatic model.
 - While using a cell phone or other types of electronic devices.
 - If not in proper operating condition, including temperature, altitude and the material of the ground. Refer to the specifications.
 - In flammable or explosive areas.
 - In areas with possible falling objects.
 - If the accessories or consumables are not supplied or authorized by CenoBots. Using other accessories may impair safety.

2. Before start up the machine:
 - Check machine for fluid leaks.
 - If safety-relevant covers, such as disk brush deck, power supply cords, are damaged, stop the machine and report.
 - Ensure that all covers are positioned in the designated locations as specified in the instructions.
 - Please pre-sweep the floor.
 - Remove any cables lying on the ground beforehand to prevent the robot from getting entangled.
3. When operating the machine manually
 - Use it as described in this manual.
 - Do not stop on slopes.
 - Pay attention to the local situation, as well as to third persons and children. In the vicinity of blind spots such as doors or curves in particular, it is important to reduce speed.
 - Go slowly on slopes and slippery surfaces.
 - Use care when reversing machine.
 - Do not transport other persons and objects with this machine.
 - Keep children and unauthorized persons away from machine.
 - Place the 'Caution: Floor Wet' sign on the ground in the operating area.
 - Do not operate manually the machine on the ramp with a gradient exceeding 8%.
4. When using the machine in automatic mode
 - Use it as described in this manual.
 - Do not stop on slopes.
 - Do not use in places with various moving vehicles, such as parking lots.
 - Do not use the machine in areas surrounded by transparent glass or high-transparency objects, as well as in places with highly reflective surfaces.
 - Pay attention to the local situation, it is important to reduce speed.
 - Reduce speed on slippery ground.
 - Keep children and unauthorized persons away from machine.
 - Place the 'Caution: Floor Wet' sign on the ground in the operating area.
 - Do not transport other persons and objects with this machine.
 - Do not cover the machine sensors, as this will affect the normal operation of the machine.
 - Do not run it in auto mode on the slope with a gradient exceeding 2%.
5. After using the machine:
 - In order to prevent unauthorized use of the machine, the power source shall be switched off or locked, for example by removing the key of the main switch or the ignition key.
 - Stop the machine on level ground.
 - Machine that is left unattended should be secured to prevent unintended movement.
6. When maintaining the machine

- Turn off the machine and remove the key.
 - Stop on the level ground.
 - Do not jack up machine.
 - Do not work under a machine without safety blocks or stands to support the machine.
 - Do not clean the machine with a pressure washer.
 - Use accessories and consumables supplied or authorized by CenoBots. The use of other accessories may impair safety.
 - Do not dismantle the machine without permission. If you need service, please contact the local distributor.
 - Do not use incompatible battery chargers as this may damage battery packs and potentially cause a fire hazard.
 - Avoid moving parts, do not wear loose clothing or jewelry, and secure long hair.
 - Do not use this charger in explosive environments.
 - The charger is specifically designed for charging CenoBots robots. Do not use the charger to charge other devices.
7. When transporting the machine:
- Turn off the machine and remove the key.
 - Drain the water tank before loading.
 - Do not operate the machine on the ramp with a gradient exceeding 8%.
 - Block the machine wheels well.
 - Use tie- down straps to secure machine.
 - Do not tilt or lay down the machine when transporting.

Safety Labels

	Caution: watch your hand to avoid damage.
	Do not touch the device.
	This is the Class 1 laser device and it's safe for the eyes.
	Disposal
	Do not throw used machine components to the bin.

Know your Machine

Overview of Appearance

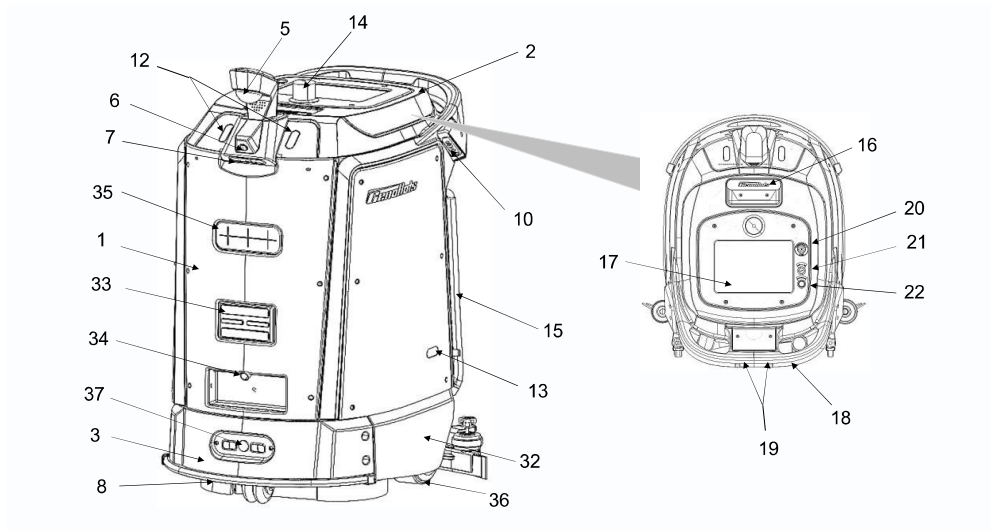


FIG.1

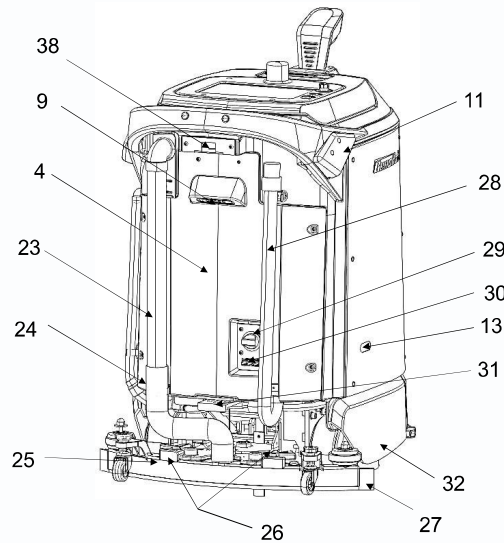


FIG.2

● Covering Parts

- 1. Front cover
- 2. Recovery tank lid
- 3. Bumper
- 4. Rear cover

● Sensors

- 5. 3D LIDAR
- 6. Front camera
- 7. Front depth camera
- 8. Bumper sensor
- 9. Rear depth camera
- 10. Left depth camera
- 11. Right depth camera

Know your Machine

● HMI & Operating parts

12. Front indicator light
13. Side indicator light
14. Blinking light
15. Solution drain hose
16. Recovery tank lid handle
17. Touch screen
18. Control Handle
19. Power assist button
20. Emergency stop button
21. Key switch
22. Auto/Manual switch button
23. Vacuum hose
24. Vacuum hose clip
25. Squeegee kit
26. Squeegee latch
27. Squeegee blade
28. Recovery tank drain hose
29. Load-break switch
30. Manual charging port
31. Pedal
32. Side cover
33. Auto charging port
34. Auto draining port
35. Auto filling port
36. Drive wheel
37. Bottom light
38. SIM card slot

Indicator light introduction

Indicator (12 & 13): Indicators are in the front and rear of the machine. They show the working status and the turning direction of the machine.

Indicator Light	Description
Green	Machine is executing the task.
Red	The emergency stop button is pressed.
Red flash	Machine error.
White	Machine is idle.
White flash	Machine is charging.

Sensor introduction

- 3D LiDAR (5): CLASS 1 laser. Used for mapping, localization and obstacle avoidance.
- Front camera (6): Used for floor stain and obstacle detection.
- Front depth camera (7): Used for obstacle avoidance and localization.
- Bumper sensor (8): Used for collision detection.
- Rear depth camera (9): Used for obstacle avoidance and positioning when docking.
- Left depth camera (10): Used for obstacle avoidance.
- Right depth camera (11): Used for obstacle avoidance.

Control Panel

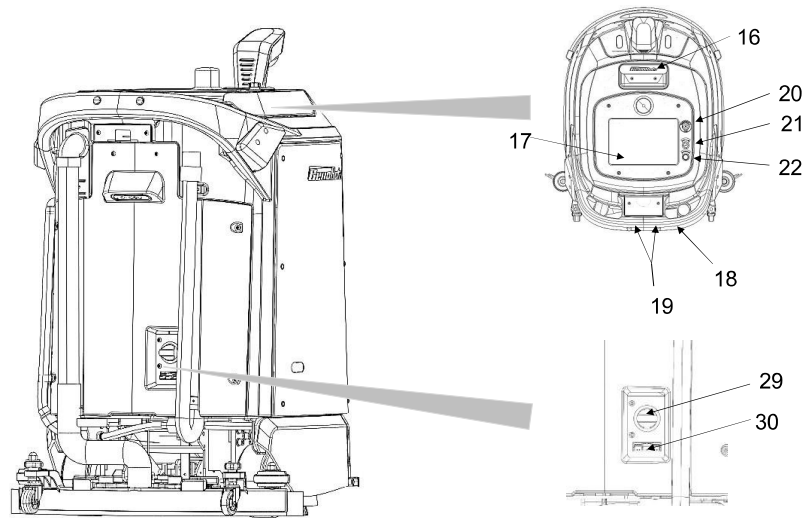


FIG.3

1. HANDLE (16)

The handle is located at the top of the machine. It is used for opening the recovery tank lid. The water tanks are below the top cover.

2. TOUCH SCREEN (17)

The User Interface (UI) is an essential component of the machine, consisting of a 10.1-inch touchscreen display located at the top. It enables operators to conveniently access features such as machine instructions, cleaning schedules, cleaning reports, and performance monitoring.

Note: The UI interface of the screen may change with software updates. If you have any questions, please contact local dealer or CenoBots for technical support.

3. CONTROL HANDLE (18)

The handle is located at the rear top of the machine, and is used for manually pushing the machine.

⚠ CAUTION: If the machine is in auto mode or the emergency stop button is pressed, do not push the machine forcefully to avoid the possibility of machine damage.

4. POWER ASSIST BUTTONS (19)

This machine is equipped with two assist buttons. When the operator presses buttons in the manual mode, the robot gains the power to move. It enables the operator to easily control the machine and effectively clean the floor.

When both buttons are pressed, the machine can be pushed easily (the direction can be select on the touch screen).

Notice: The power assist feature is only effective in manual mode.

5. EMERGENCY STOP BUTTON (20)

The emergency stop button which is yellow-backgrounded and red is located on the top of the machine. It is used for emergency stop of the machine. Upon pressing it, the machine will initiate the stop function, causing the drive wheel and brush motor to cease operation. If the emergency stop button is pressed while the machine is performing a cleaning task, the vacuum motor will briefly run before coming to a stop to minimize residual water on the floor.

When the emergency stop button is pressed, the 'STOP' icon will be displayed on the screen. To release the emergency stop button, rotate it clockwise.

 **CAUTION:** If the machine is in auto mode or the emergency stop button is pressed, do not push the machine forcefully to avoid the possibility of machine damage.

6. KEY SWITCH (21)

The key switch that controls the power of the machine is located at the rear top of the machine. When the switch is turned to the “**ON**” position, the machine will power on (make sure the load-break switch is also in the “**ON**” position). When the switch is turned to the “**OFF**” position, the machine will power off after a delay of about 30 seconds.

Notice: After the operator leaves the machine, please remove the key and keep it in a safe place to avoid loss.

6. AUTO/MANUAL SWITCH BUTTON (22)

This machine has two operating modes:

- **Autonomous Mode:** The autonomous mode is used to automatically scrub the floor. The machine will perform tasks at scheduled times and can also be called upon to perform temporary cleaning tasks by setting up temporary tasks.
- **Manual Operation Mode:** The operator can manually operator this machine to scrub the floor in this mode.

These modes can be switched by pressing the A/M button. If the button displays a blue light or the 'HAND' icon is displayed on the touch screen, it indicates that the machine is in the manual mode.

7. LOAD-BREAK SWITCH (29)

When servicing (by the trained personnel) or storing the machine, please turn the switch to 'OFF' position.

8. PEDAL (30)

When pushing the machine, it is easier to cross the obstacle or the step by stepping on the pedal.

Workstation

The workstation WS3 has features such as auto water filling, auto detergent filling, and auto water draining. By being equipped with these features, human intervention has been greatly reduced, resulting in increased efficiency of the machine.

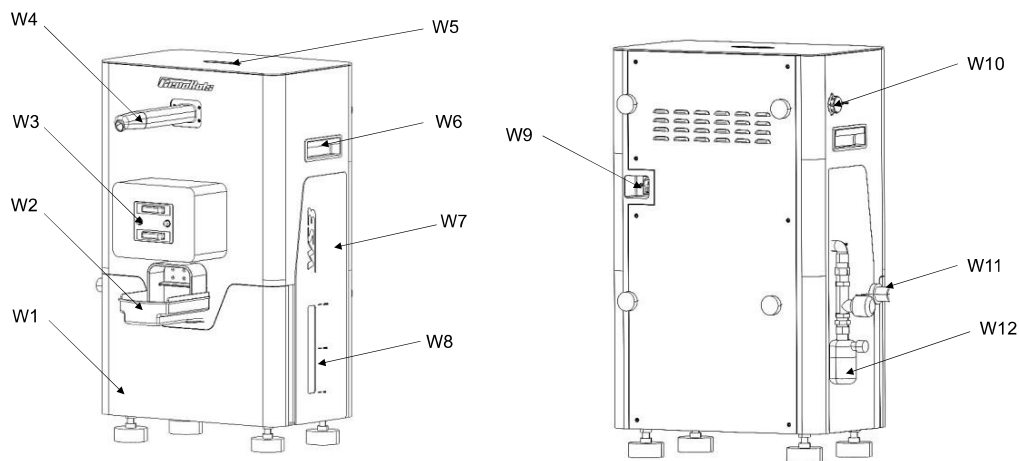


FIG.4

W1	Front cover	W8	Detergent level indicator
W2	Waste water hoop	W9	Power switch and cord connector
W3	Auto charging port	W10	Power outlet (Only used for mobile water tank)
W4	Rubber water inlet pipe	W11	Auto water draining port
W5	Indicator light	W12	Water inlet & Pre-filter
W6	Handle		
W7	Left cover		

Special Instructions

- Station water tank: Used for buffering waste water when draining.
- Front cover(W1): Station recovery tank cover.
- Left cover(W8): Detergent bottle is located behind the cover.
- Power outlet (W10): 24VDC; Only used for mobile water tank (WT3&TS3).

Operation

The main purpose of this chapter is to provide the necessary operating instructions for the operators.

Note: The UI interface of the screen may change with software updates. If you have any questions, please contact local dealer or CenoBots for technical support.

Starting Machine

Turn the machine power on by turning the key switch to '**ON**' position. The load-break switch (29) must be in the '**ON**' position, or machine cannot be turned on.

Notice: After 7 days of storage, the battery will enter a dormant state automatically, and the machine can't be turned on using the key switch. Please use the charger to activate the battery.

When the machine is turned on and the UI is fully loaded, the login page will be presented first on the touch screen. There are two types of accounts on the login page: '**User**' and '**Admin**'. The '**User**' account is for normal users to perform basic operations such as starting cleaning tasks, setting cleaning schedules, and viewing the cleaning report, among others. The '**Admin**' account is for advanced operations such as map scanning, managing configurations, and adjusting cleaning parameters, among others.

Stopping the Machine

There are several ways to stop the machine.

1. Press the emergency stop button

Upon pressing it, the machine will initiate the stop function, causing the drive wheel and brush motor to cease operation. If the emergency stop button is pressed while the machine is performing a cleaning task, the vacuum motor will briefly run before coming to a stop in order to minimize residual water on the floor.

2. Pause the task

When the machine is executing a task, tap  on the homepage to pause it, and the machine will stop in place. After tapping resume task icon, the task will resume.

3. End the task

When the machine is executing a task, tap  on the Homepage to end the task. Then the machine will return to the docking station automatically.

For Safety: Do not stop the machine on slopes.

Turning off Machine

Turn off the machine using the key switch (21). After turning the key switch off, the brushes and squeegee will lift to the raised position if they are in the low position. Then, the machine will power off in a few seconds.

⚠ CAUTION: Do not turn off the machine by directly turning the load-break switch to “OFF” position to avoid possibility of the data loss or damage to the machine.

For safety: Before turning off the machine, stop the machine on the level ground.

Operating the Machine Manually

For safety: Do not operate the machine on the slope that exceeds 8%.

When machine needs to be operated or moved manually, there are two ways it can be operated.

1. Switch to the manual mode

To activate the manual mode of the machine, press the 'A/M' button (22) on the control panel when machine is idle or when the emergency stop button has been pressed. If the A/M button illuminates with a blue light, it indicates that the machine is now in manual mode and can be operated.

Notice: If the emergency stop button is pressed, the machine can't be operated, even in manual mode.

The instructions of the '**Manual Mode**' page are below:

Direction: Tap the left icon, the direction of power assist will be forward and press the assist button, the machine will provide a forward force. Tap the right icon, the direction of power assist will be backward and press the assist button, the machine will provide a backward force.

 : It is recommended to use it on slopes or to cross small steps. When activated, the machine will provide greater power assistance.

Task:

- **Moving:** In this mode, the machine will not perform any cleaning. The squeegee and the brush are in the raised position.
- **Scrubbing:** The flow of the solution and vacuum power can be selected in this mode.
- **Clean Residual Water:** The machine performs the vacuuming task and the brushes are in the raised position.
- **Maintenance:** The squeegee will lower and the vacuum motor will work. It is also used to clean the vacuum hose.

Hide:

This page can be hidden by tapping the 'Hide' and can be resumed by tapping the 'HAND' icon.

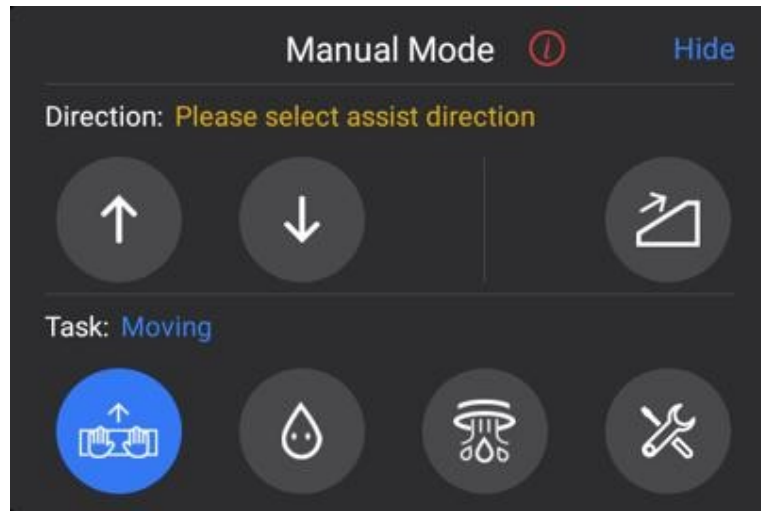


FIG.5

2. Turn off the machine.

⚠CAUTION: If the machine is in auto mode or the emergency stop button is pressed, do not push the machine forcefully to avoid the possibility of machine damage.

Note: When operating the machine manually, it is easier to cross the obstacle or the step by stepping on the pedal (31).

Mobile App

This App can be installed on the mobile devices (ISO&Android). The user can view information and status of the machine, including battery level, current and scheduled tasks, historical reports, and more. Additionally, the app allows users to remotely schedule and send tasks, such as initiating a temporary cleaning task for the machine.

Please search for 'CenoBots' in the App Store or scan the QR code below. If you encounter any issues with downloading the app, please contact CenoBots for technical support.



Transportation

⚠CAUTION: Be aware of the weight of the machine during the transportation.

The following steps should be taken when loading or unloading for transportation:

1. Turn off the machine.
2. Make sure the scrub head and squeegee are in the raised position before loading or unloading.
3. Drain and rinse recovery tank and solution tank.
4. Use a ramp to push the machine onto the pallet.
5. Place blocks between the front and rear wheels to prevent the machine from moving during transport.
6. Use packing straps to secure the machine, and place some soft materials like sponge between the machine and packing straps to avoid scratching the surface of the machine.
7. Do not lay the machine flat when loading or unloading.

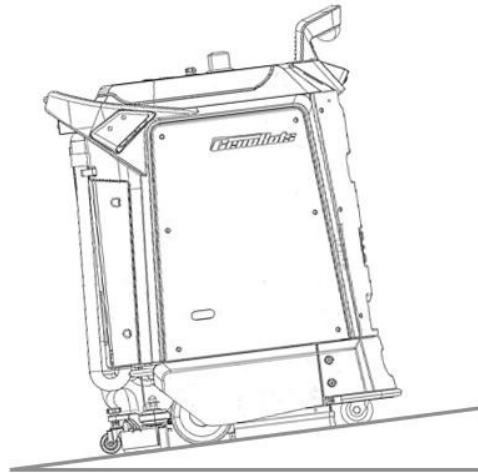


FIG.6

⚠CAUTION: Do not use forklift directly to pick up the machine, or use lifting rope to lift the machine. Do not use the handle of the machine as a fixed point.

For safety: Make sure the ramp can support the weight of the machine.

For safety: Do not operate the machine on the ramp with a gradient exceeding 8%.

Storage

⚠ CAUTION: Be aware of the weight of the machine during the storage.

The following steps should be taken when storing the machine.

1. Store the machine in the dry area indoors and out of direct sunlight under the following temperature conditions:

Min. storage temperature	-10°C/14°F
Max. storage temperature	40°C/104°F

2. Completely drain and rinse recovery tank and solution tank.
3. Make sure the scrub head and squeegee are in the raised position before storing.
4. Turn off the key switch before storing the machine.
5. Stop the machine on the level ground and block the wheels well.
6. Store the machine with a state of charge (SOC) of over 80% and check it bimonthly to ensure the battery SOC doesn't fall below 20%.

Notice: The battery will enter a dormant state automatically after 7 days of storage and the machine can't be turned on using the key switch. Please use the manual charger to activate the battery.

Maintenance

The machine needs to be maintained regularly to keep the best of the performance and the service life.

⚠CAUTION: When updating the software, make sure the battery level is more than 30% and do not shut down the machine as it may cause damage to the system.

For safety: Before maintaining or leaving the machine, stop on the level ground and turn off the machine.

For safety: Before maintaining the machine, read the user manual and understand fully.

For safety: When maintaining the machine, wear suitable gloves.

Maintenance Schedule

Interval	Parts	Procedure	Person Resp.
Daily	Recovery tank	Drain, rinse	Operator
	Debris tray	Clean	Operator
	Squeegee	Clean, check for damage and wear	Operator
	Skirt	Clean, check for damage and wear	Operator
	Disk brushes	Check for damage and wear	Operator
	Pads	Check, flid or replace	Operator
	Workstation recovery tank (If equipped)	Clean, rinse	Operator
	Covers	Clean the machine covers	Operator
Weekly	Battery*	Charge	Operator
	LiDAR	Clean (use dry microfiber cloth)	Operator
	Cameras	Clean (use dry microfiber cloth)	Operator
	Vacuum hose	Clean	Operator
	Solution tank	Rinse	Operator
	Recovery tank filter	Clean	Operator
Monthly	Skirt	Check for damage and wear	Operator
	Solution tank filter	Clean	Operator
	Solution tank	Rinse	Operator
	Recovery tank lid seal	Check for wear	Operator

Battery*: if the machine is not equipped with workstation or charging station, the battery needs to be charged to 100% at least once a week.

Battery

Charging Battery

For safety: Before charging or leaving the machine, stop on the level ground.

There are two ways to charge the battery:

1. Use the charging station/workstation to charge automatically, and the machine must be turned on.

2. Use the manual charger. When charging machine manually, the following steps should be taken:
 - 1) Before charging the battery, turn off the machine using the key switch.
 - 2) After completely shutting down, set the load-break switch to the "OFF" position.
 - 3) Connect output plug of the charger to the charging port of the machine.
 - 4) Connect the input plug of the charger to the AC power source.
 - 5) If the charger's indicator shows a red or yellow flashing light, it means the battery is charging.
 - 6) When the battery is fully charged (the indicator shows a green light), unplug both the AC input and DC output plugs.

Notice: Steps 3 and 4 should not be switched, as it may cause electrical damage.

Battery Maintenance Precaution

WARNING: Do not disassemble or replace the battery without permission of the manufacturer.

For safety: Before charging or leaving the machine, stop on the level ground.

- Do not short circuit the battery, including the machine's charging port.
- Do not crush or drop the battery.
- Do not puncture the battery.
- Do not vibrate the battery.
- Do not expose the battery to flames or high-temperature environments exceeding 45°C.
- Do not expose the battery to water or any other liquids.
- Do not expose to sunlight, especially during charging.
- Do not install with other battery types or brands.
- Do not use other charger types or brands.
- Dispose of the battery safely according to local regulations.
- If the battery leaks, please contact CenoBots promptly. Do not disassemble the battery yourself.
- Charge and store battery under the following conditions:

Min. charge temperature	0°C/32°F
Max. charge temperature	45°C/113°F
Min. storage temperature	-10°C/14°F
Max. storage temperature	45°C/113°F

The best storage temperature is 15°C/59°F ~25°C/77°F .

Workstation Maintenance

Filling the detergent

The workstation has the feature of auto-filling detergent for the machine. the detergent should be filled into the detergent tank regularly.

To fill the detergent into the tank, the following steps should be taken:

- 1) Remove the side cover of the station.
- 2) Take out the detergent bottle.
- 3) Refill the detergent.
- 4) Put the detergent into the station and reinstall the cover.

Notice: Please use only a neutral detergent (pH = 7), a low-foam or no-foam type, that does not contain rosin.

Cleaning the water tank

The water tank is located behind the front cover. Remove the cover and use the nozzle to clean it.

Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
Machine can't be turned on by the key switch	Load-break switch in the 'OFF' position	Turn the load-break switch to 'ON' position
	The battery enters a dormant state	Use the charger to activate the battery
	Battery is out of power	Charge the battery using a charger to activate it
	Battery failure.	Contact local dealer or CenoBots for technical support
	Key switch failure	Contact local dealer or CenoBots for technical support
	Control board failure	Contact local dealer or CenoBots for technical support
Initialization failure	Choose a wrong map	Choose the right map
	Significant changes in the surrounding environment or being surrounded by the crowd during initialization	Move the machine and leave the crowd
	Machine is outside the map areas	Move the machine to the map areas
The machine doesn't execute the tasks	The battery is too low	Charge the battery
	Emergency stop button is pressed	Release the emergency stop button
	Machine is in the manual mode	Switch to the auto mode
Machine stopped moving	Machine error	Check the detail of the error on the screen or the mobile app and follow the steps according to the guide
	Battery is out of power	Charge the battery
	The emergency stop is pressed	Release the emergency stop
	Machine is switched to the manual mode	Switch to the auto mode
The machine can't be charged	The switch of docking station is turned to the 'OFF' position	Turn the switch to the 'ON' position
	The air circuit breaker of the docking is turned to 'OFF' position	Turn the air circuit breaker to the 'ON' position

Maintenance

	The docking station has been moved	Move the charging station to the original position
	The docking station or charger didn't get connected to the AC power	Connect the cord to the outlet
	Charger is damaged	Contact local dealer to replace the charger
	Battery failure	Contact local dealer or CenoBots for technical support
The waste water can't be automatic drained	The recovery tank filter is clogged	Drain the waste water using the drain hose and clean the filter
	Draining pump failure	Contact local dealer or CenoBots for technical support
Poor water pick-up	Squeegee blade is damaged or worn	Replace or reverse the blade
	Recovery tank drain hose leak	Secure hose cap or replace
	Vacuum hose clogged	Clean the hose
	Debris caught in squeegee	Clean the squeegee
	Damaged the vacuum hose	Replace the vacuum hose
	Defective seals on recovery tank lid	Replace the seal
	The recovery tank is full due to the failure of the sensor	Contact local dealer or CenoBots for technical support
	Excessive foam buildup	Use the low or no foam detergent or add defoamer to the recovery tanks
Poor scrubbing performance	The brushes or pads were worn or damaged	Replace the brushes or pads
	Machine is moving too fast	Slow down the machine
	Using wrong brush or pad	Use the right brush or pad
	Not enough solution	Increase the solution flow; Clean the solution tank filter

Specifications

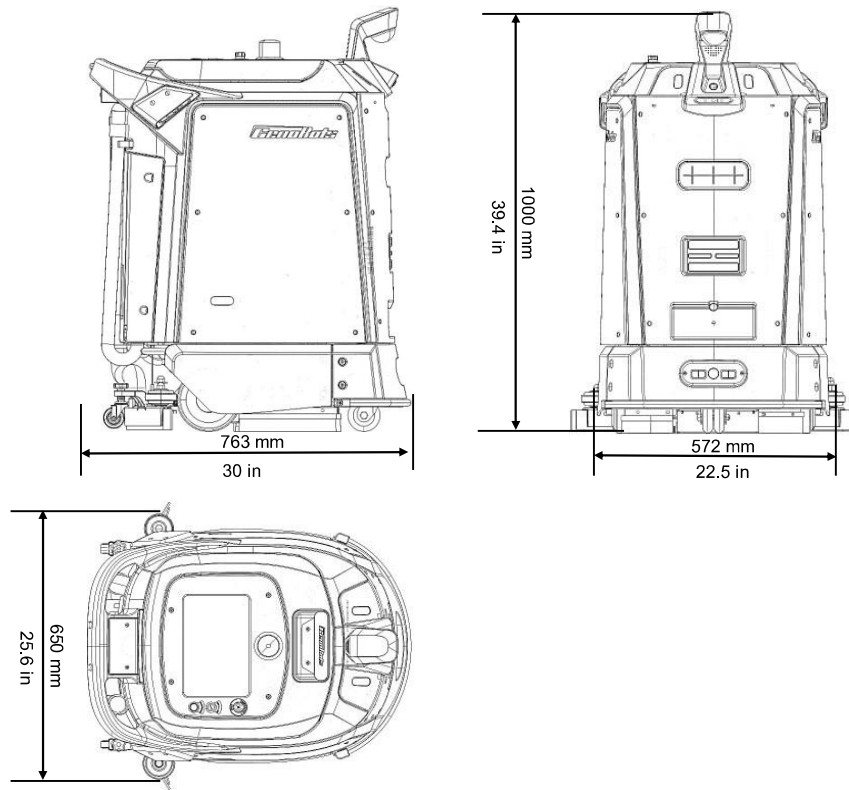
1. L3 Specifications

DIMENSIONS	
Length	763 mm 22.5 in
Width (w/o squeegee)	572 mm 22.5 in
Height (main body)	1000 mm 39.4 in
Weight	132 kg 291 lbs
GVW	157 kg 346 lbs
Cleaning Width	400 mm 15.7 in
Squeegee Width	650 mm 25.6 in
CLEANING	
Max. Theoretical Productivity	1944 m²/hr 20925 ft²/hr
Brush Pressure	18 kg 39.7 lbs
Disk Brush Speed	270 RPM
Solution Tank Capacity	25 L 6.6 gal
Recovery Tank Capacity	25 L 6.6 gal
MOVEMENT	
Max. Speed	1.4 m/s 3.13 mph
Min. Distance from Wall	0~30 mm 2 in
Min. Passable Width	700 mm 27.6 in
Gradeability	8% (The machine is not recommended for running on slopes in automatic mode, and it can be operated manually on slopes ≤8%.)
POWER	
Battery Type	Lithium Iron Phosphate
Battery Capacity	60 Ah
Rated Voltage	25.6 VDC
Charging Time	1.5/2 hours
Runtime	3~5 hours
SENSING	96-beam 3D LiDAR, 3D Depth Camera, Bumper Sensor, IMU Sensor
SOUND LEVEL (EN 60335-2-72:2012)	
Sound Pressure Level	≥ 64 dB (A) L _{pA} , 3dB(A) K _{pA}
Sound Power Level	≥ 76 dB(A) L _{WA}
VIBRATION AT THE HANDLE	< 2.5 m/s²
OPERATING ALTITUDE	<2000 m 6561 ft

2. Workstation

Dimensions (main body L*W*H)	409*256*700 mm 16.1*10.1*27.6 in
Weight	38 kg 84 lbs
Input voltage	100-240 V a.c
Max. power	1400 W 1.88 hp
Output voltage	28.8 VDC
Output current	40 A
Max. water inlet pressure	0.25 MPa 2.5 bar

Machine Dimensions



Declaration of Conformity

This Declaration of conformity is issued under the sole responsibility of the manufacturer:

Product name: Autonomous Scrubber Dryer
Model number: L3

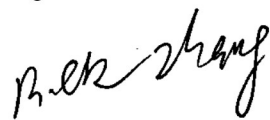
The object of the declaration described above is in conformity with Directives:

2006/42/EC	Machinery Directive
2014/30/EU	Radio Equipment Directive
2014/53/EU	Electromagnetic Compatibility

The following harmonized standards were applied:

EN 60335-2-72:2012
EN 60335-1:2012+A11:2014+A13:2017 +A1:2019+ A14:2019+ A2:2019 + A15:2021
EN 62233:2008
EN IEC 61000-6-2: 2019
EN IEC 61000-6-4: 2019
EN 301 489-1 V2.2.3
EN 301 489-52 V1.2.1
EN 301 908-1 V15.1.1
EN 301 908-13 V13.1.1
EN IEC 62311: 2020

Signed for and behalf of the manufacturer:



Rick Zhang, Chief Product Manager
Dec 23, 2025



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