

BRAINOS RELEASE SUMMARY

CLEAN

We're constantly innovating on our software platform with regular BrainOS updates to deliver new capabilities and features so your robots and operations continue to get even smarter.

2.1

jan '19

- Added Spanish translation support for the UI.
- Introduced new error message alerts for enhanced usability.
- New smart scrub brush feature to prevent unwanted swirl marks.



2.2

feb '19

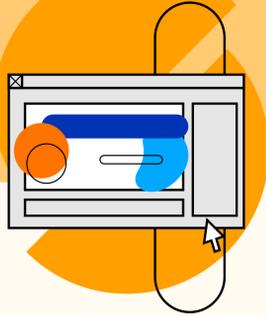
Implemented fleet management logging that collects centralized logs for global remote troubleshooting and support.

2.3

apr '19

Introduced Learning Center - end to end instructional videos accessible from the UI available in English and Spanish.

New and improved customer portal and dashboard for data monitoring.



2.4

jun '19

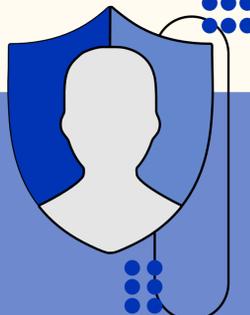
Performance enhancements to improve runtime efficiency.

2.5

aug '19

Added security and privacy compliance with Face Blurring feature.

New feature allowing users to access Route History directly from the UI.



2.6

oct '19

New safety features to prevent unauthorized users from operating the machine.

2.7

feb '20

Consecutive Routes feature introduces ability to Clean multiple routes without needing to return to the Main Menu.

Improved network signal.

New enhancements to the navigation increase machine performance and square footage cleaned per hour.



2.8

apr '20

New service tools on the robot for added troubleshooting support.

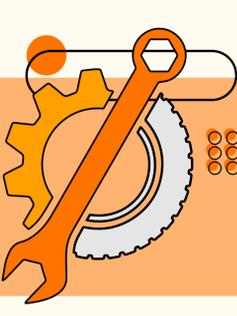
Italian and Dutch language support.

2.9

may '20

Danish language support.

Improved the Route Repeat (formerly Looping) feature to be configurable within the Route Selection screen.



2.10

jun '20

New Service Tools on the robot for added maintenance support

2.13

jul '20

Added HIPAA compliant image blurring support.

Ability to disable route teaching for unauthorized users.



2.15

aug '20

Latest innovation in motion planning released (MS2).

Major improvements to trajectory optimization and overall performance.

3.0

feb '21

Refreshed BrainOS experience with Universal Design focused on iconography and simple text.

Service and diagnostic tools improvements.

Korean language support.

3.1

may '21

Ability to enable virtual fencing to restrict robot's access navigating too far from the trained path (no-go zones).

3.2

jul '21

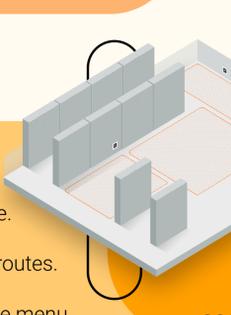
Area Fill allows customers to fill wide open spaces with ease.

New feature allowing users to make custom labels for new routes.

Ability to control beeping from an on/off button in the service menu.

Improved operator usability when assisting the machine during autonomous operation (Tap to Unlock).

Improved Joyride mitigation at the end of cleaning by requiring the PIN code prior to enabling manual operation.



3.3

oct '21

Stop & Honk.

Under the hood improvements.

Czech & Polish language support.

3.4

jan '22

Delayed Start.

12 routes per Home Marker.

Release Notes on UI.

