

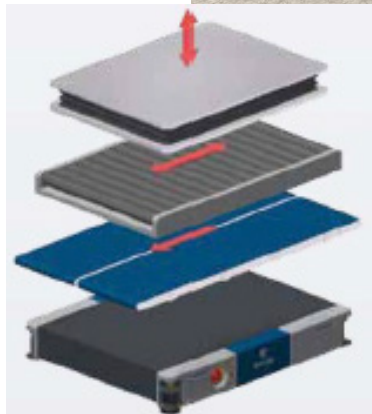
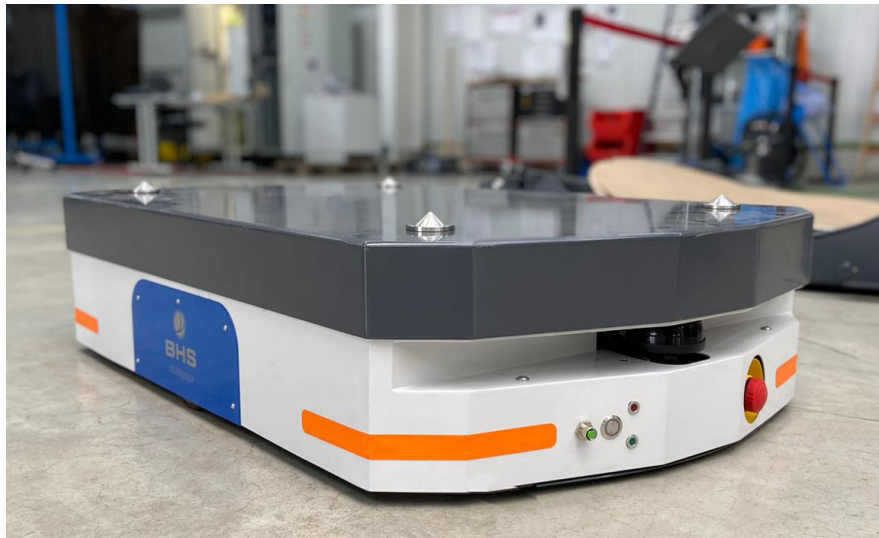
CHICAGO ELECTRIC



iShuttle 1.0

autonomous robot shuttle

ROBOT & LOGISTICS
SOLUTIONS



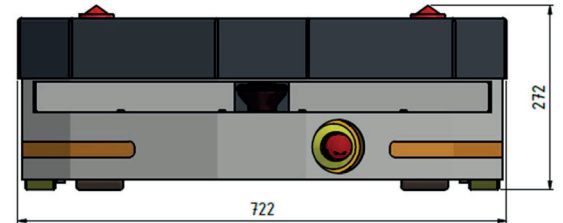
The iShuttle 1.0 is an autonomous robot shuttle designed for a wide variety of transport tasks with payloads up to 1500 kg/3300 lbs. The iShuttle is available with a lifting deck or conveyor belt for pallet transfer. Navigation is autonomous using LIDAR laser sensors and ICMS fleet management software. Communication via WLAN provides continuous position and safety monitoring. Integrated laser scanners are used for proximity sensing and E-stop.

iShuttle 1.0

autonomous robot shuttle

ADVANTAGES

- Large Payload: 1500 kg / 3300 lbs.
- Compact: L 1098 mm/43 in; W 722 mm/28 in; H 272 mm/11 in
- Pallet transfer via lift deck or conveyor belt
- Scalable ICMS fleet management software for multiple iShuttles
- Compatible with iLifter autonomous fork truck
- Status and position data continuously monitored via WLAN
- Contactless inductive charger, floor mounted



SPECIFICATIONS

Dimensions	L 1098 mm/43 in; W 722 mm/28 in; H 272 mm/11 in
Payload	1.500 kg / 3300 lbs
Weight	200 kg / 440 lbs
Maximum load dimensions	L 1.200 mm/48 in; W 800 mm/32 in; H 1.000 mm/40 in
Lifting height	50 mm / 2.0 in
Speed	1.0 m/s / 3.3 ft/s
Turning radius	0 degrees; pivot on center
Navigation	Contour navigation via LIDAR laser sensors
Driving operation	Forward/backward
Positioning accuracy	± 15 mm / 0.6 in
Safety	Certified safety laser scanners; front + back
Battery	Lithium-ion / 48V / 50 Ah
Battery charging time	< 1h
Charging system	Inductive
Operating time	24/7
Communication	WiFi