

iShuttle 5.0

autonomous robot shuttle

ROBOT & LOGISTICS SOLUTIONS



The iShuttle 5.0 is an autonomous robot shuttle for transport tasks requiring heavy payloads up to 4400 kg/9700 lbs. The iShuttle is a low profile design intended for roll handling of paper or plastic. It is also available in the GoBot configuration as a mobile robot platform with full pallet storage. Navigation is by guidance line with RFID markers for precise positioning 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.

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ADVANTAGES

- Large Payload: 4400 kg / 9700 lbs.
- Low Profile: L 1883 mm/74 in; W 1470 mm/58 in; H 281 mm/11 in
- Configurable for: Rolls; Pallet; Robot
- 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	4400 kg / 9700 lbs
Weight	600 kg / 1320 lbs
Maximum roll width	2800 mm / 110 in
Maximum roll diameter	1520 mm / 60 in
Speed	.3 m/s / 1 ft/s
Turning radius	1.250 mm / 49 in
Navigation	Guidance line
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