

NEXBOT

Modular AGV



**Lift more,
pull more,
carry more,
move more.**

Engineered for narrow aisle ways, large lift capacities and higher reach - NexBot is engineered for more.

- Reduce costs
- Operate 24/7
- Rapid recharging
- High precision navigation
- Configurable for a broad range of applications
- Universal AGV frontend with customizable backend modules
- Designed for fast integration and installation

 **SCOTT**

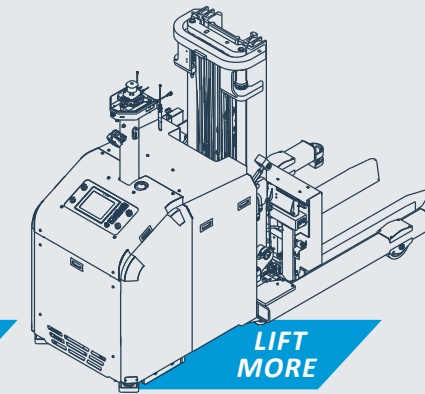
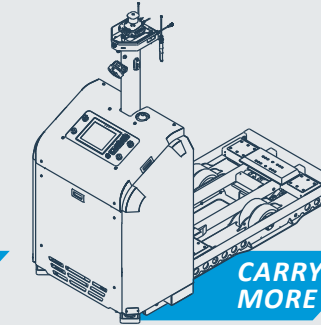
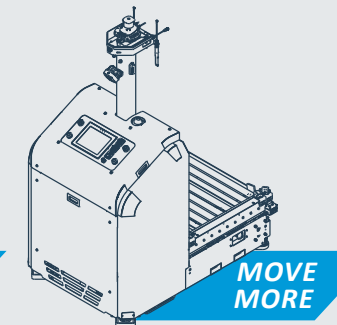
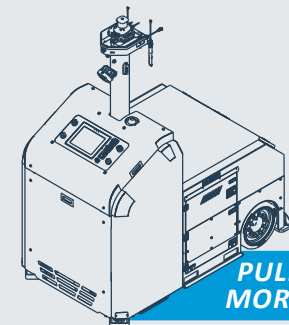
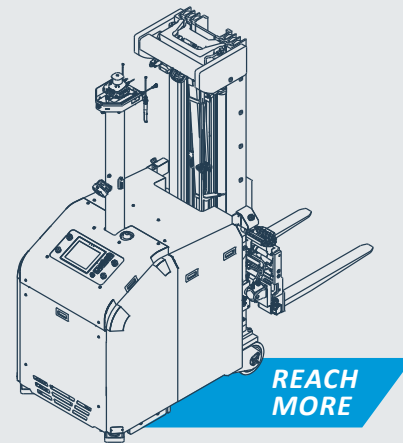
**MATERIALS
HANDLING
SOLUTIONS**

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Our NexBot modular AGV's are configurable for a broad range of applications to meet your automation needs.

Universal AGV frontend with customizable backend modules.



Automation that adapts. Power that lasts.

Built for the demands of industrial and manufacturing environments. Designed for continuous operation, NexBot reduces downtime, improves load handling accuracy, and ensures non-stop efficiency.

NexBot is designed for smooth integration into existing operations, eliminating disruptions. Powered by fast-charging batteries, precise navigation (natural feature or laser reflective navigation), and intelligent controls.

Combining Scott and Transbotics' expertise in AGV solutions and with a modular, accessible platform, NexBot delivers powerful automation without the complexity — ensuring businesses get more from every move.

Made in the USA, Trusted Worldwide

Designed and built in Charlotte, North Carolina, NexBot meets the highest engineering standards with superior quality control and reliable local support.

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Counterbalance Fork

Counterbalance forklift AGV handles heavier pallet loads with higher lift capabilities.

Dimensions	Single Stage Mast		4 Stage Mast	
Length	110.4 in	2,800 mm	110.4 in	2,800 mm
Width	41.7 in	1,060 mm	41.7 in	1,060 mm
Height	90.6 in	2,301 mm	110.6 in	2,810 mm
Weight (without load)	6,150 lbs	2,790kg	8,500 lbs	3,856 kg
Speed and Performance*				
Battery running time	4,000 cycles (80% DoD)		4,000 cycles (80% DoD)	
Load capacity	3,500 lbs	1,588 kg	3,500 lbs at 20 ft 2,400 lbs at 25 ft	1,588 kg at 6.1 m 1,089 kg at 7.6 m
Maximum lift height	5.6 ft	1.7 m	25 ft	7.62 m
Maximum speed	4.9 mph	2.2 m/s	4.9 mph	2.2 m/s
Operable aisle width (min)	11 ft	3.35 m	11 ft	3.35 m
Positioning accuracy	0.4 in +/-	10 mm +/-	0.4 in +/-	10 mm +/-
Operational Specifications				
Battery (min)	LiFeMgPO4, 48V, 264Ah		LiFeMgPO4, 48V, 264Ah	
Charging type	Opportunity		Opportunity	
Ambient temperature range	34 - 100 F	1 - 38 C	34 - 100 F	1 - 38 C
IP Class	52		52	
Certifications	CE		CE	
Wifi communication	2.4 GHz or 5 GHz		2.4 GHz or 5 GHz	
Safety system	SICK Flexi Soft safety		SICK Flexi Soft safety	
Navigation	Natural feature or laser reflector		Natural feature or laser reflector	

* Specified values are dependent on application and accessories

Tugger

Tuggers efficiently move wheeled cart loads with auto coupling and uncoupling.

Dimensions

126 in	3,200 mm
min 41.7 in	min 1,060mm
Project specific	
8,700 lbs	3,946 kg

Speed and Performance*

4,000 cycles (80% DoD)	
55,000 lbs	25,000 kg
n/a	
3.3 mph	1.5 m/s
11 ft	3.35 m
0.4 in +/-	10 mm +/-

Operational Specifications

LiFeMgPO4, 48V, 264Ah	
Opportunity	
34 - 100 F	1 - 38 C
52	
CE	
2.4 GHz or 5 GHz	
SICK Flexi Soft safety	
Natural feature or laser reflector	

Roller Deck

Conveyor deck AGVs precisely transfer pallets and products between other powered conveyors.

72 in	1,828 mm
min 50 in	min 1,270 mm
110.6 in	2,810 mm
4,500 lbs	2,041 kg

Speed and Performance*

4,000 cycles (80% DoD)	
2,500 lbs	1,134 kg
n/a	
3.3 mph	1.5 m/s
11 ft	3.35 m
0.4 in +/-	10 mm +/-

Operational Specifications

LiFeMgPO4, 48V, 264Ah	
Opportunity	
34 - 100 F	1 - 38 C
52	
CE	
2.4 GHz or 5 GHz	
SICK Flexi Soft safety	
Natural feature or laser reflector	

Lift Deck

Under-rigger/Lift Deck AGVs effortlessly positions under and lifts non-palletized products.

Project specific	
min 41.7 in	min 1,060mm
110.6 in	2,810 mm
3,500 lbs	1,588 kg

Speed and Performance*

4,000 cycles (80% DoD)	
7,000 lbs	3,175 kg
12 in	305 mm
3.3 mph	1.5 m/s
11 ft	3.35 m
0.4 in +/-	10 mm +/-

Operational Specifications

LiFeMgPO4, 48V, 264Ah	
Opportunity	
34 - 100 F	1 - 38 C
52	
CE	
2.4 GHz or 5 GHz	
SICK Flexi Soft safety	
Natural feature or laser reflector	

Straddle

Outrigger AGVs can pick products from the floor but are best for lifting heavy loads higher, with outriggers providing stability.

110.4 in	2,800 mm	Length
54 in	1,372 mm	Width
110.6 in	2,810 mm	Height
9,700 lbs	4,400 kg	Weight (without load)

Speed and Performance*

4,000 cycles (80% DoD)		Battery running time
8,750 lbs	3,970 kg	Load capacity
25 ft	7.62 m	Maximum lift height
4.9 mph	2.2 m/s	Maximum speed
11 ft	3.35 m	Operable aisle width (min)
0.4 in +/-	10 mm +/-	Positioning accuracy

Operational Specifications

LiFeMgPO4, 48V, 264Ah		Battery (min)
Opportunity		Charging type
34 - 100 F	1 - 38 C	Ambient temperature range
52		IP Class
CE		Certifications
2.4 GHz or 5 GHz		Wifi communication
SICK Flexi Soft safety		Safety system
Natural feature or laser reflector		Navigation

* Specified values are dependent on application and accessories.

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Don't see the application you need? Our modular design allows us to easily build application specific modules, contact our team to discuss.

NEXBOT



We are proud to be developing better ways to do things in sectors as diverse as manufacturing, mining, meat processing, material handling and appliance automation.

Our solutions redefine end-to-end automation, covering everything from automated material handling to vision-guided robotics, processing and palletization right through to automated guided vehicles.



Scott delivers smart automation and robotic solutions that transform industries – making businesses safer, more productive, and more efficient.

Our diverse capability makes us the first choice for many of the world's leading brands. With operations across Australasia, China, Europe, and North America plus over 110 years of engineering excellence, Scott is a global expert in automation.

With facilities and representatives across the globe, Scott is always within reach - no matter where you are. Our global presence, combined with strong local support, ensures exceptional service tailored to your needs, wherever business takes you.



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Smart automation solutions that transform industries.
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