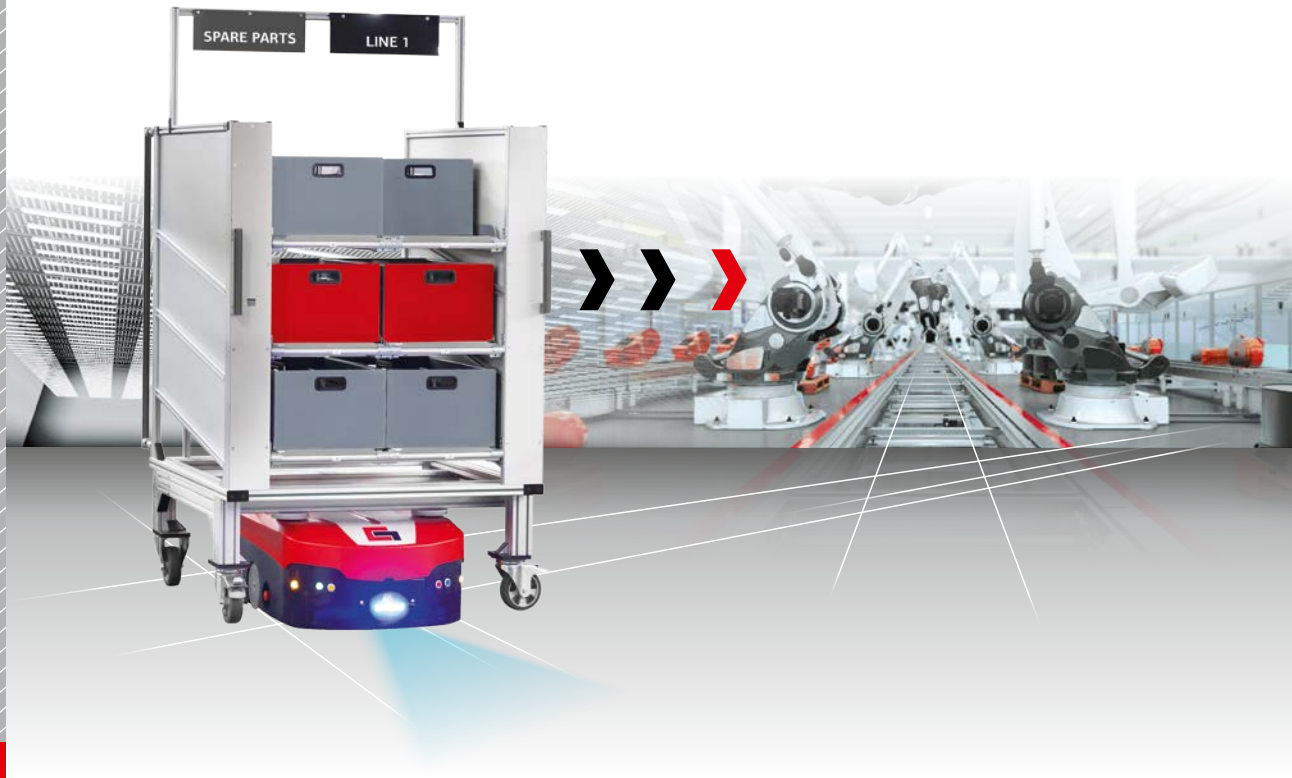


TECHNICAL DATA | L1200S-Li



Automated Guided Vehicle

L1200S-Li

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The Automated Guided Vehicle (AGV) Grenzebach L1200S is mainly used in our Automated Goods Transport solution. It transports goods carriers to their specified destination.

Due to its low construction height, the L1200S can tunnel under a variety of different load carriers (tables, trolleys, racks, shelves). The AGV can transport up to 1.2 tons lengthwise or crosswise - and can turn on the spot which saves space. The integrated people safety sensor technology makes it possible to use the L1200S in all in-house environments. Due to the free contour navigation, there is no need to set up protected areas. This saves space and facilitates integration into existing environments - including lifts, robot cells, conveyor systems or strapping systems.



Length	1,238 mm
Width	693 mm
Height (lifting plate down)	340 mm
Lifting height	60 mm (electrical)
Payload	1,200 kg
Speed (unloaded)	Up to 1 m/s
Speed (loaded)	Up to 1 m/s
Turning radius	Pivot in stationary location or $\leq 1\text{m}$
Navigation	Contour navigation (safety scanner detects surrounding and compares with internal map)
Drive mode	Forward and reverse
Positioning accuracy	$\pm 15\text{ mm}$
Safety	2 certified safety laser scanners (front + back)
Operating voltage	48 V DC
Battery	Lithium iron phosphate
Battery charging system	Fixed contact, up to 80 A charge rate

Charging time	15 - 80 % SOC approx. 30 min.
Travel time	80 - 15 % SOC with 1,000 kg load approx. 6 h
Operating time	24 hours, 7 days
Total weight	300 kg
IP certification	IP32
Temperature range	+10 to +40 °C
Humidity	Max. 80 %
Sound pressure level	< 69 dB (A)

Options:

Area monitoring	<input checked="" type="checkbox"/>
Blue Light	<input checked="" type="checkbox"/>



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