

## Grenzebach L1200S-Li



- Automated transport of parts and goods
- Lift of tables, trolleys, shelves from the bottom
- Low construction
- Max. load: 1.2 ton
- Transport among humans and/or other vehicles
- Certified security system
- Laser navigation
- Support of a multi-player transport system
- Guidance via fleet manager
- Quick map- and direction modification
- Logistics and manufacturing process optimization
- ROI / warehouse space saving: ~ 30%

## AGV - Smart Transport with Automated Guided Vehicles

### Navigation:

Laser contour navigation  
 Safety scanner detects surrounding and compares with internal map

### Safety:

Key part of the system  
 Application of certified equipment

### Safety scanners:

2 (front and back)

### Programmable defense fields:

16 / scanner

### Size:

Length: 1,238 mm  
 Width: 693 mm  
 Height: 340 mm (lower) / 400 mm (upper)

### Payload:

1,200 kg

### Weight:

300 kg

### Turning radius:

Pivot in stationary location or ≤1m

### Drive mode:

Forward and reverse

### Positioning accuracy:

+/- 15 mm

### Speed:

Unloaded: 1 m / sec  
 Loaded: 1 m / sec

### Battery:

Li-ion phosphate

### Battery charger:

Fixed contact, 80 A charge rate

### Battery charging and operating time:

15 - 80 % SOC; cca. 30 minutes  
 80 - 15 % SOC; loaded by 1,000 kg ~6 hours

### Operating time:

24 hours, 7 day

### Water- and dustproof certification:

IP32

### Operating temperature:

+10...+40 °C