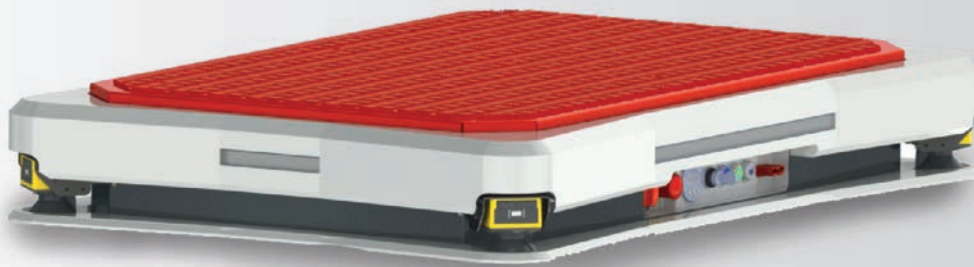




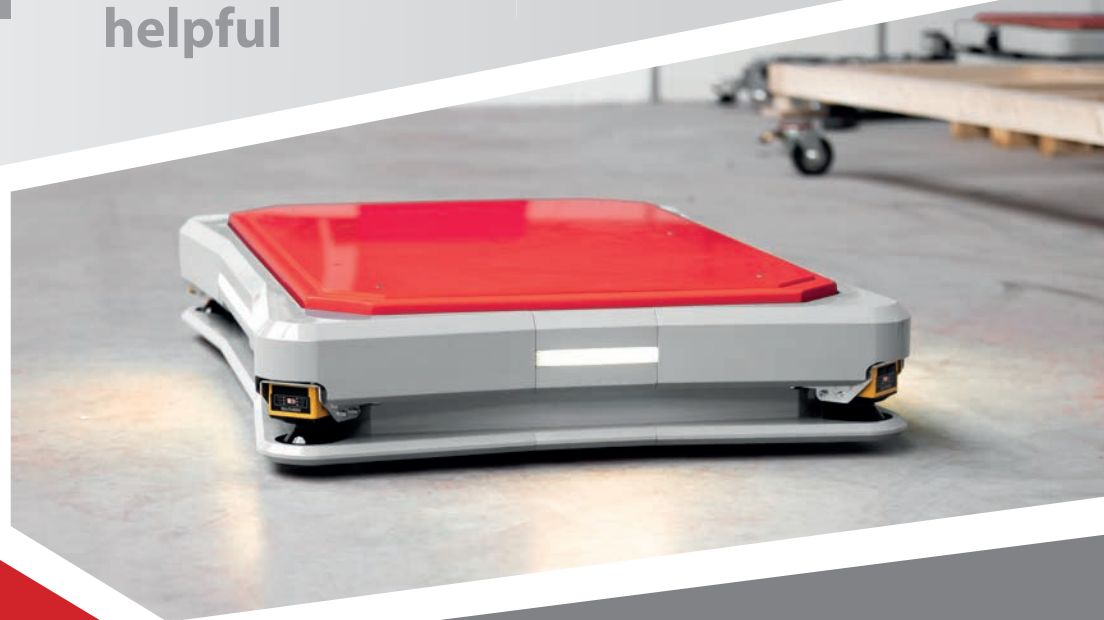
**IFOY AWARD**

Automated Guided  
Vehicle of the year 2017



WINNER  
**BI**  
BEST OF  
INDUSTRY  
AWARD

strong  
flexible  
reliable  
powerful  
helpful



# FACTS AND FIGURES

- TORsten is an autonomous guided vehicle, but is also available as remote navigating version without laser-scanners.
- TORsten has won multiple industry awards including the Industriepreis, the IFOY Award, the German Design Award and the Best of Industry Award.



<b>Length</b>	1,365 mm
<b>Width</b>	920 mm
<b>Height</b>	235 mm
<b>Speed</b>	max. 1.2 m/s
<b>ERP connectivity</b>	open TCP / IP protocol
<b>Driving accuracy</b>	typ. 1-2 cm (depending on environment)
<b>Maximum load</b>	1,500 kg
<b>Battery type</b>	Lead crystal
<b>Power capacity</b>	1,300 Wh
<b>Charging concept</b>	external power supply, stationary or inductive
<b>Range</b>	depending on the application
<b>Platform</b>	modifiable (Bolts, scanners, etc.)
<b>Wheel</b>	190 mm Mecanum
<b>Standard</b>	ISO 3691-4_2018

## YOUR ADVANTAGES

- Variable platforms (customer specific)
- Autonom navigation for the reliable material flow of tomorrow
- Navigation via 2D Layout, therefore no concret work on the floor in case of changes in production or removing of machines.
- TORsten moves loads up to 3 tonnes and lifts loads up to 1.5 tonnes
- Omnidirectional drive concept for movement in the smallest space and 360 ° mounting on the spot
- Routes can be used simultaneously by Employees, Forklifts and TORsten
- Automatic reduction of speed in narrow pathes or obstacles come closer
- Robust construction
- Battery: Low self-discharging, high current, non-toxic, non-detectable, cycle-proofed



**more about TORsten:**  
[torsten.torwegge.de](http://torsten.torwegge.de)

