MAGMENT

Dynamic Wireless Charging

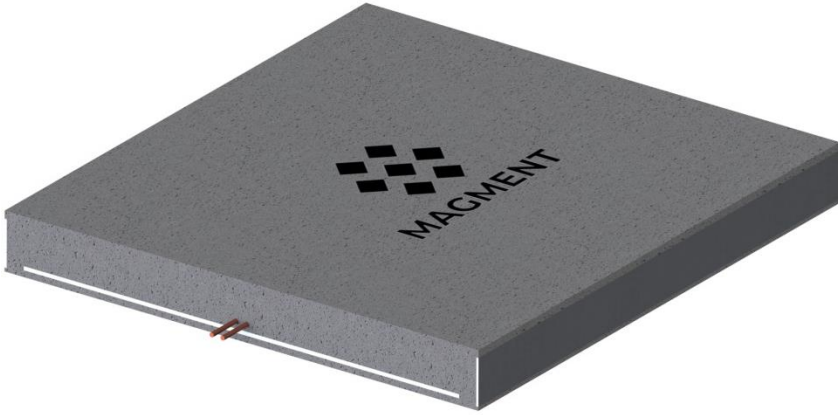
▼ English

Industrial floor electrification for dynamic wireless charging reduces or fully eliminates charging breaks of forklifts, AVGs and AMRs. Patented magnetizable concrete in combination with proprietary winding and casting technologies are enabling production of robust wireless power transfer pads (MagPad™s).

MagPad™

Wireless Power Transfer (WPT) Pad

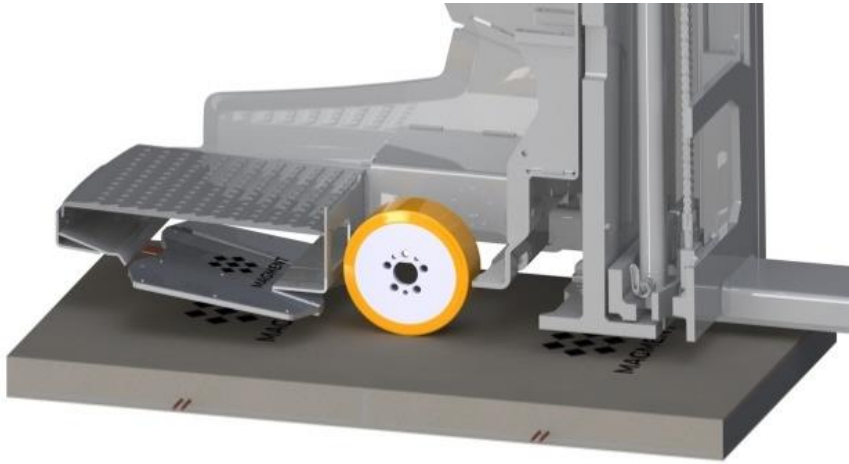
- Dimensions (L/W/H): **653/700/75 mm**
- Weight: **85 kg**
- Material: **Magnetizable concrete**
- Housing: **High-performance concrete**
- WPT power class: **2 (0 - 7.7 kW)**
- DC Resistance (DCR): **45 mΩ**
- Inductance (L_S) *@85 kHz*: **248 µH**
- Quality factor (Q) *@85 kHz*: **670**

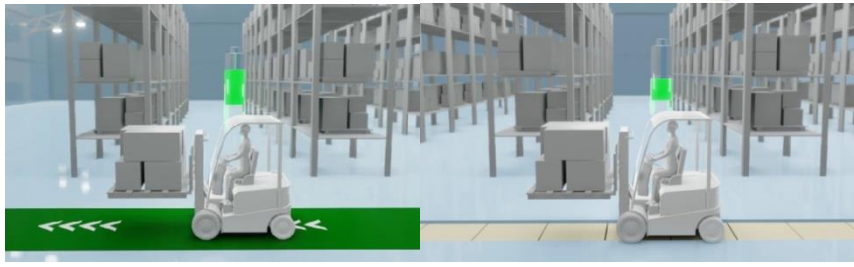


MagTrack™ *(multiple MagPad™s)*

Wireless Power Transfer (WPT) Track

- Consistent coupling across entire charging lane (Average coupling, k>0.2)
- Lateral tolerance of ±75 mm at full power
- Advanced GA switching algorithm results in uninterrupted vehicle charging
- Compliance with ICNIRP human exposure limits
- Vehicle speed up to 15 km/h





MAGMENT GmbH | Raiffeisenallee 12b | 82041 Oberhaching (Munich) | Germany | +49 (0)89 632 860 64 | info@magment.co | www.magment.co