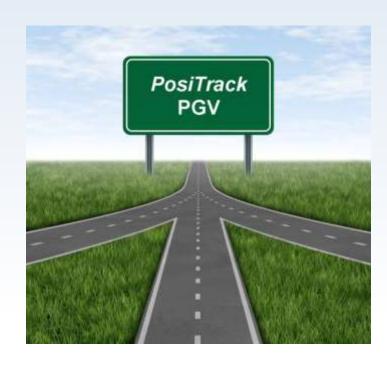# PosiTrack PGV for AGVs

Three AGV control technologies in one small package

- **Scanner – Optical path-tracking guidance**

- **Encoder – High resolution, data matrix-based X- and Y-positional feedback, Angle Output**

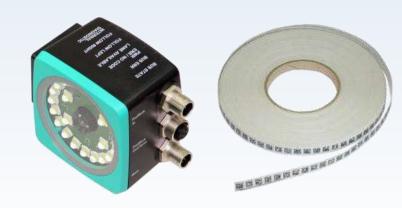- **Identification solution – initiates starts, stops, and turns**

PosiTrack PGV for AGVs

- **Uses standard warehouse floor tape or painted stripes**
- **Virtually any color is applicable**
- **Tape width: 10 … 40 mm**
- **No contrast tape required**
- **"24-7" Y-position (left/right alignment) output**
- **Tape marring / damage without scannability loss**

PosiTrack PGV for AGVs

System Components

- **Read head**
- **Colored route-tracking tape**
  - **Paint works too**
- **Data matrix positional encoder tape**
- **Identification / initiator tape**
- **Accessories**
  - **brackets**
  - **cordsets**

PosiTrack PGV for AGVs

- **100 mm scan distance, +/- 20 mm**
- **Resolution ± 0.2 mm, w/ +/- 10° alignment tolerance**
- **Wide, 120 mm x 80 mm scan window**
- **8 m/s max travel speed**
- **RS485, PROFINET, PROFIBUS, CANopen, EtherNet/IP communication**
- **7 LEDs indicate communication status, alignment, and system health**
- **Angular turn data (direction and degrees)**
- **100,000 lux ambient light immunity**

PosiTrack PGV for AGVs

- **General material handling and AGV control**
- **Automated storage and retrieval**
- **A flexible alternative to:**
  - **Guide wire systems that require floor cutting**
  - **Expensive optical systems that require line-of-sight referencing**
  - **Incremental RF tags**
  - **Magnetic tape guidance**