



# 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 PGM 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  $\pm 0.2$  mm, w/ +/- 10° alignment tolerance
- Wide, 120 mm x 80 mm scan window
- 8 m/s max travel speed
- RS-485, 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**

