

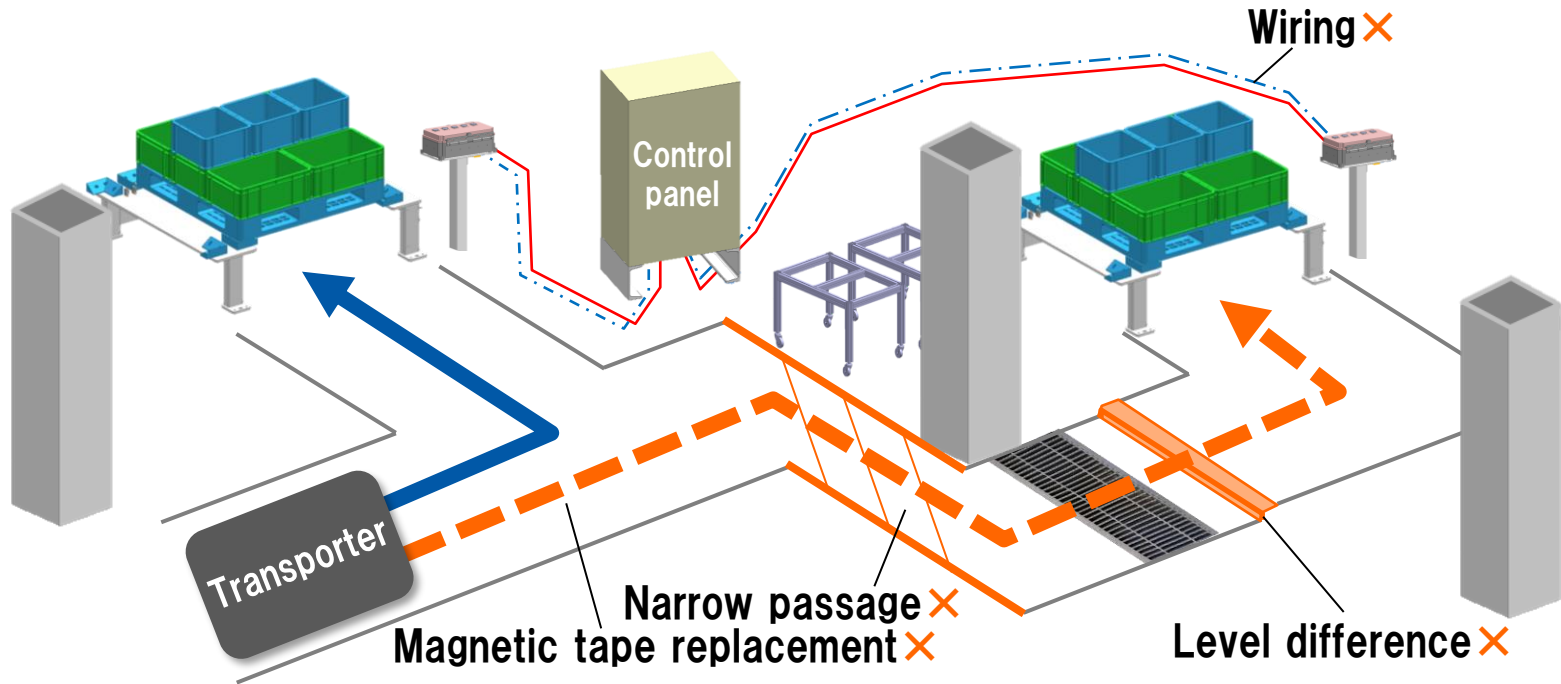


Transport Automation Flexible to Factory Environments

Factory Transport System by AiTran

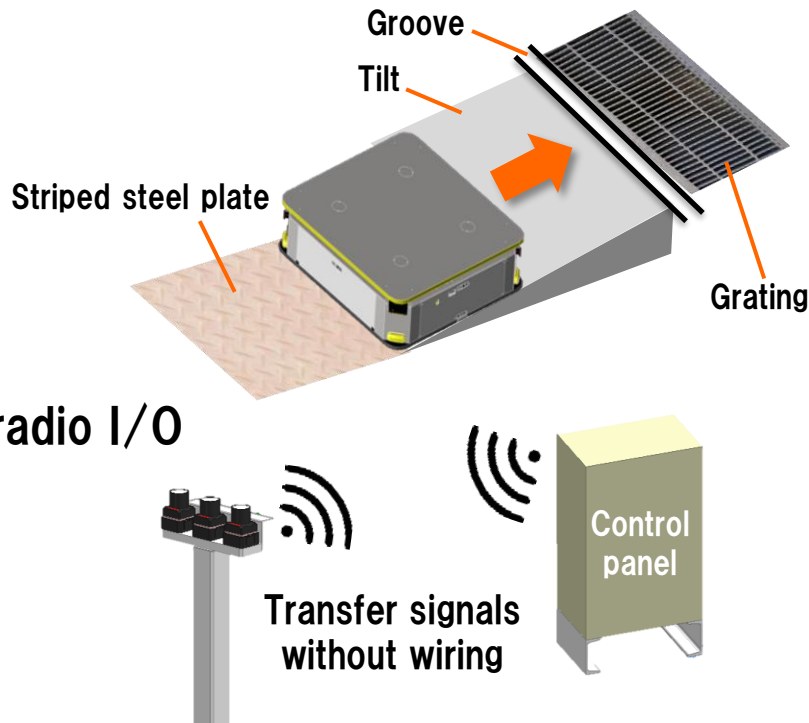
Issues in introducing autonomous transporter carts

- Difficult to put magnetic tape/QR codes on transport routes, difficult to change or add routes
- Narrow aisles, steps and inclines not driveable, difficult to maintain aisles
- Difficult to wire signal lines for activation buttons, etc



Daihen's transport system solved!

- Flexible response to plant layout
- Flexible direction of travel
- Supports steps and gratings
- Coordinated with facilities using radio I/O

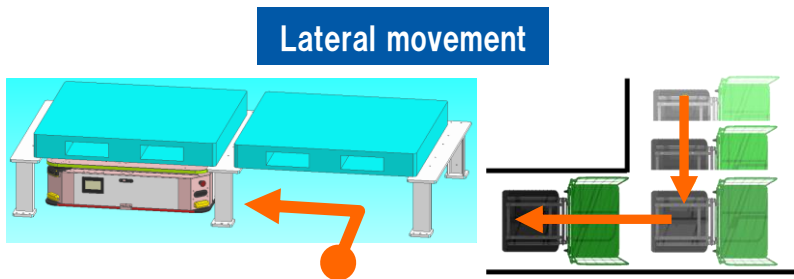


- Offline MAP creation

Driving routes can be created and changed without stopping the production line

- Omnidirectional movement

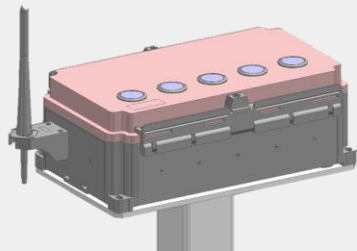
Switching posture is not required, and the path is narrow



- Tilts, gratings and grooves can also be run

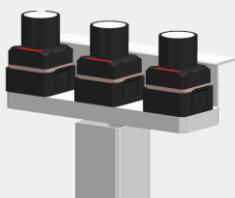


- Easy installation because signal wiring is not required



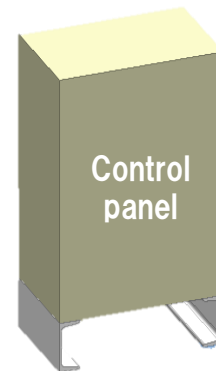
[Signal line radio]

Lamps and sensors can be used if only a power supply is available



[Wireless for both signal and power lines]

Startup signal can be sent even though no power supply is required



- PLC based control panel
No complicated control required

Simple PLC based control

Standard type

<Exhibition model>

1000 kg payload



AiTran Lift

<Exhibition model>

400 kg transportability



AiTran400

Traction type



AiTran Trailer

- Cart is gripped and transported by the traction mechanism
- Omnidirectional movement
Traction and transfer even in small spaces due to arc movement and lateral movement



Automatic transportation of freight items frequently used in factories, such as car carts

Autonomous transportation cart AiTran can be used to automate transportation within your plant

DAIHEN