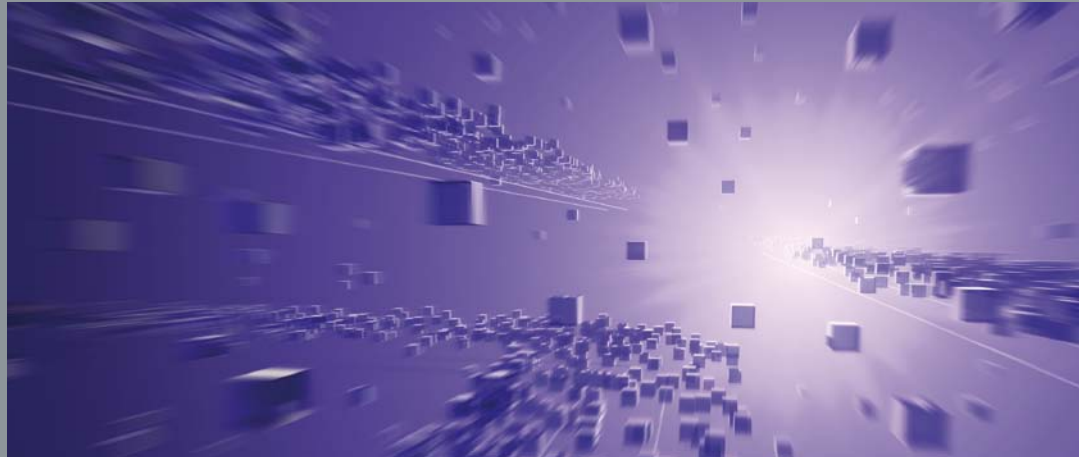




AGV Automated Guided Vehicles

Highly flexible vehicle systems
composed of modular components



- Automated transport regardless of load size
- For all industries and goods
- High availability with maximum reliability
- Vehicle pool can be extended anytime
- Stable construction ensures long product life
- Unrivalled cost-benefit ratio



AGV: Highly efficient automated transport systems by BLEICHERT

The intelligent way to optimize your in-house transport



AGV with lifting table and pick-up attachment for assembly line vehicles

Examples of Automated Guided Vehicles for flexible assembly tasks



AGV in modular design allow tailor-made custom solutions for any company size and any industry sector

- state of the art integrated safety
- with individual layout of energy supply, navigation, vehicle control and central system control based on the demands of your company
- system extension on demand via our modular design



BLEICHERT has various navigation systems on offer, allowing again a tailor-made solution:

Optical

The AGV follows easy to lay optical floor markings.

Inductive

Zero maintenance and a no battery concept allowing a high working and availability rate of close to 100%.

Magnetic spots

The AGVs driving route is determined by magnetic markers that are embedded into the floor.

Laser

The AGV navigates by means of lasers and reflectors positioned at above head height.

Free navigation

State of the art navigation, navigates without the need for external markers of any kind. The high end of flexibility and ease of use.

Main modular components of the BLEICHERT AGV range



*AGV being tested on one of the
BLEICHERT test tracks*

- **Vehicle chassis with drive unit, rollers and castors**
units assembled as required for additional movements (for example lifting, turning, conveying, storage and removal etc.)
- **Energy supply**
depending on application, for example inductive (contactless energy transfer), by battery, or a combination of both supply types (hybrid technology)
- **Safety technology**
examples: switching flap, safety edge, bumper, laser scanner
- **Navigation**
examples: optical, inductive, magnetic spots, laser and free navigation
- **Vehicle control**
optionally with or without communication
- **Central system control**
(of complex systems) for administration and coordination, logistics, peripherals



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