Intralogistics
Mobile Robotics
Grenzebach is closing the automation gap

For generations, Grenzebach, a family owned business, has been a reliable and innovative supplier for intelligent handling, processing and automation technologies.

With great emphasis on cooperative partnership with our customers, Grenzebach develops, implements and integrates customized solutions automating and optimizing complex manufacturing processes. Our manufacturing facilities in Germany, the USA and China enable us to always be there when you need us. Local support and customer service are available to you around the clock.

Conventional conveyor technology complemented by intelligent robotics.

Embracing Industry 4.0 technologies, our intelligent Automated Guided Vehicles (AGV) feature integrated solutions between production, warehouse and dispatch. For many years, Grenzebach has been implementing logistics solutions, primarily AGVs, utilizing our extensive experience and long-term cooperation with specialists all over the world. Our AGVs are guided by virtual navigation for fast and reliable transportation while providing maximum personal safety.

Grenzebach Fleet Manager

The Grenzebach fleet manager coordinates every single vehicle movement and continuously optimizes the transportation schemes to cover all possible operations.

- Optimized small systems
- Large systems with complex intralogistics
- Different mobile robot types interact and share the same environment

The fleet manager plays an active and central role in the service environment.
Strong, agile, flexible and safe

This Automatic Guided Vehicle (AGV) of Grenzebach transports up to 1.2 tonnes lengthwise or crosswise – and can also turn on the spot. Thanks to the very low height, the L1200S can go under most load carrier (tables, trolleys, racks, shelves), lifting it and transporting it to the specified destination. The Fleet Manager of Grenzebach determines the route – completely intrinsically safe, which is ensured by two certified laser scanners. Equipped with integrated people safety sensors, the L1200S can be used in all internal environments. Because of the contour navigation, no protection zones are required. That means space savings and easy integration into existing environments, such as elevators, robot cells, conveyors and strapping systems.

30% space savings
Tugger

This robust and reliable AGV is the ideal vehicle for simple jobs. Various trailer couplings allow for flexible, recurrent indoor or outdoor material transportation. Our carts range from 200 kg to 8 ton in weight with speeds up to 1.5 meters per second.

Tractors – tugging up to 8 tons indoor & outdoor

This robust and reliable AGV is the ideal vehicle for simple jobs. Various trailer couplings allow for flexible, recurrent indoor or outdoor material transportation. Our carts range from 200 kg to 8 ton in weight with speeds up to 1.5 meters per second.
Forklifts – efficient transportation & lifting

Our forklifts are ideal and cost-effective driverless trucks for recurrent warehouse and production tasks. They can automatically pick, transport and deliver pallets up to 4 tons with up to 5 meters lifting height. Our forklifts maximize efficiency, productivity and profitability.
The counterbalanced lift truck substitutes the forklift truck – driverless, operator-safe and navigating freely.

Its counter balance substitutes additional support legs. The lift truck is optimized for handling numerous pallet and skeleton transport box types. It can handle up to 4 ton loads 4 m high.
Are you facing an unconventional, hazardous or difficult production environment, coping with hot working conditions, handling toxic chemicals or even nuclear materials or do you need utmost cleanliness? Our customized solutions are tailored to your needs no matter how challenging your operational conditions and how demanding the requirements and accuracy of your logistic tasks are.

In close interaction with you we develop a rugged and reliable logistic and handling solution fit to meet the most extreme conditions of your operational needs.