



**BÄR** 

Revolutionising Intralogistics with the  
**ConTrax® Forklift AGV**

**CONTRAX**®  
LOGISTIC SYSTEM

The demands of modern logistics require automation solutions that are compact, manoeuvrable, and highly efficient, while still ensuring strength and stability. The ConTrax® Forklift AGV is an advanced autonomous industrial forklift, designed to meet these challenges with precision, flexibility, and intelligent navigation - optimising your logistics operations for the demands of today and tomorrow like never before.



### Compact and Agile for Tight Spaces

With a small footprint of just 830 x 2400 mm, the ConTrax® Forklift AGV operates effortlessly in narrow pallet aisles, maximising valuable storage space. Its compact design ensures smooth manoeuvrability, allowing efficient use of even the tightest logistics areas.



### Innovative Lightweight Design for Efficiency

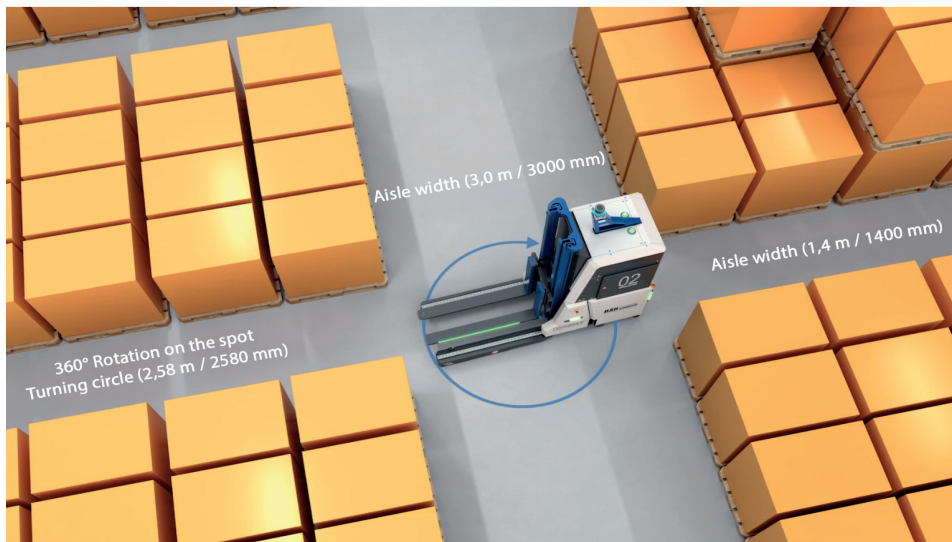
Traditional forklifts often struggle with stability and excessive energy consumption. The ConTrax® Forklift AGV features a horizontal lift system that moves the mast towards the load, while reinforced arm units distribute weight evenly, preventing tipping. Unlike conventional forklifts, it does not require a counterbalance design, significantly reducing overall weight while maintaining stability. This intelligent engineering optimises energy usage, making operations more efficient and sustainable.

### **Adaptive Width Adjustment for Maximum Stability**

Stability can be a challenge with compact AGVs, particularly at high lifting heights. The ConTrax® Forklift AGV solves this with adjustable arm units that expand for stability when lifting up to 3 metres and retract for seamless movement. The lift mast remains precisely centred, ensuring safe and stable operation at all times.

### **Omnidirectional Movement for Maximum Flexibility**

Equipped with an advanced omnidirectional chassis, the AGV can move effortlessly in any direction from a standing start, ensuring smooth, precise navigation even in the most confined spaces.



### **Powerful Load Capacity for Versatile Applications**

Designed for a wide range of logistics tasks, the ConTrax® Forklift AGV boasts an impressive 1,500 kg load capacity, handling everything from lightweight goods to heavy pallets with ease.

### **Uninterrupted 24/7 Operation**

With a high-performance battery and inductive charging, the ConTrax® Forklift AGV enables continuous, long-term operation with minimal downtime.

### **State-of-the-Art Intelligent Safety & Navigation**

Built-in smart sensors and safety mechanisms ensure collision-free operation, protecting both personnel and processes. With state-of-the-art navigation technology, the AGV continuously adapts to its environment, optimising routes and enhancing workplace safety.

## Key Benefits at a Glance:

- Compact Design -**  
 With a footprint of just 830 x 2400 mm, ideal for narrow pallet aisles and space-saving logistics.
- Adaptive Stability -**  
 Automatic width adjustment provides maximum stability at lifting heights of up to 3 metres.
- Energy-Efficient Lightweight Build -**  
 No counterbalance required, reducing weight while maintaining stability and minimising energy consumption.
- High Load Capacity -**  
 Handles up to 1,500 kg, making it suitable for a wide range of logistics applications.
- Omnidirectional Manoeuvrability -**  
 Moves in any direction for ultimate flexibility and precision.
- Inductive Charging -**  
 Supports 24/7 operation with minimal downtime.

|                                          |     |                   |
|------------------------------------------|-----|-------------------|
| Dimensions (L x W x H)                   | mm  | 2490 x 835 x 2375 |
| Turning circle                           | mm  | 2580              |
| Minimum aisle width Transverse passage   | mm  | 3000              |
| Minimum aisle width Longitudinal passage | mm  | 1400              |
| Minimum aisle width narrow aisle         | mm  | 950               |
| Maximum lifting height                   | mm  | 3000              |
| Maximum speed                            | m/s | 1,8               |
| Dead weight                              | kg  | 1900              |
| Maximum load capacity                    | kg  | 1500              |
| Energy storage                           | Wh  | max. 8000         |
| Charging power                           | W   | max. 6000         |



BÄR Automation GmbH  
 Gottlieb-Daimler-Str. 6  
 75050 Gemmingen

T +49 (7267) 9127-0  
 info@baer-automation.de  
[www.baer-automation.de](http://www.baer-automation.de)

