



Automatic Trailer Loader (ATL) Automated Guided Vehicle



Sophisticated design, optimum flexibility
Our trailer loading AGVs improve safety and efficiency at your docks.

ATL Features

- High floor clearance handles dock plate slopes
- Load capacity up to 1,800 lbs. (818 kgs.)
- Interfaces with other automated and manual equipment
- Soft tires cushion loads over the dock plate
- 360° obstacle detection
- Tilting mast accommodates slope of trailers
- Maximum Fork Height – 100" (2.5m) Top of Forks
- Load capacity up to 6000 lbs. (2720 kgs.) at 24" (60 mm) Load Center *

ATL Benefits

- Safe, efficient turnkey ready Trailer Loader/Unloader
- Single Double attachment enables four loads at once (2 x 2)
- Handles dock plates, varying heights and loading angles
- Powerful Rear Motor/Torque Hubs power loads in and out of trailers
- Side shifting enables equal load weight distribution within trailer
- Tilting mast handles challenging last trailer load pick or drop

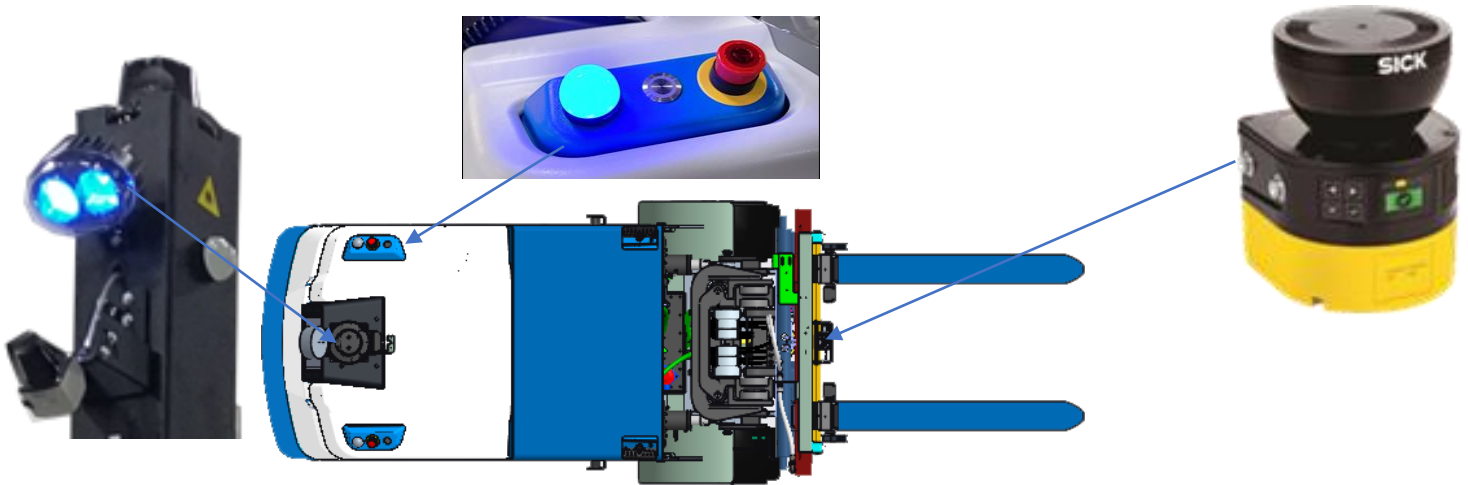
Specially designed to operate in loading docks, our Automated Trailer Loader (ATL) provides a safe, efficient, automated solution to trailer loading and unloading, all without modifying a single truck. Equipped with 360° obstacle detection, these vehicles prevent collisions and eliminate damaged product, resulting in increased safety and savings. With ATL AGVs working at your facility, incorrect shipments, unsafe dock conditions and chaotic docks are a thing of the past.

Typical Pick/Drops for ATL:

- Cell to Cell movement in Manufacturing
- Fast Moving Consumer Goods movement
- Floor to Floor Horizontal Transport
- Raw Material to/from Dock to Point of Use
- Packaging material movement
- Rework or QA processing movement
- Pallet Transport – Empties returned

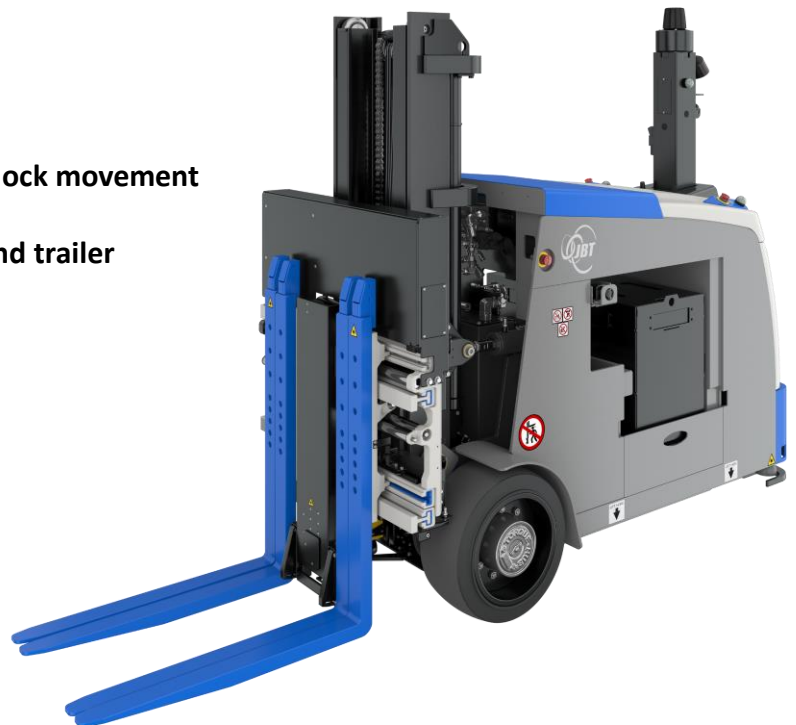
Safety Features

- ✓ **Obstacle detection sensors** – Full 360-degree protection with Safety Rated Lasers
- ✓ **Look down sensor** - Sees objects in vehicle's path above floor level
- ✓ **Warning lights** - Amber turn signals, blue running lights and red emergency lights
- ✓ **Blue AGV approaching warning light** - Shows SGV path and warns personnel in the area
- ✓ **Emergency Stop buttons** - Red buttons stop the vehicle immediately
- ✓ **Load detection and positioning sensors** – Enhances safety by improving pick up and drop off accuracy
- ✓ **Manual safety reset button** - Human intervention is required to confirm vehicle OK status
- ✓ **Battery restraint plate sensor** – confirm battery is safely confined within vehicle frame



A Loading Dock Solution

- ✓ **Higher ground clearance**
- ✓ **Large diameter rear wheels for ease of dock movement**
- ✓ **Pivoting dual tire steer wheel**
- ✓ **Soft front tire conforms to dock, plate and trailer**

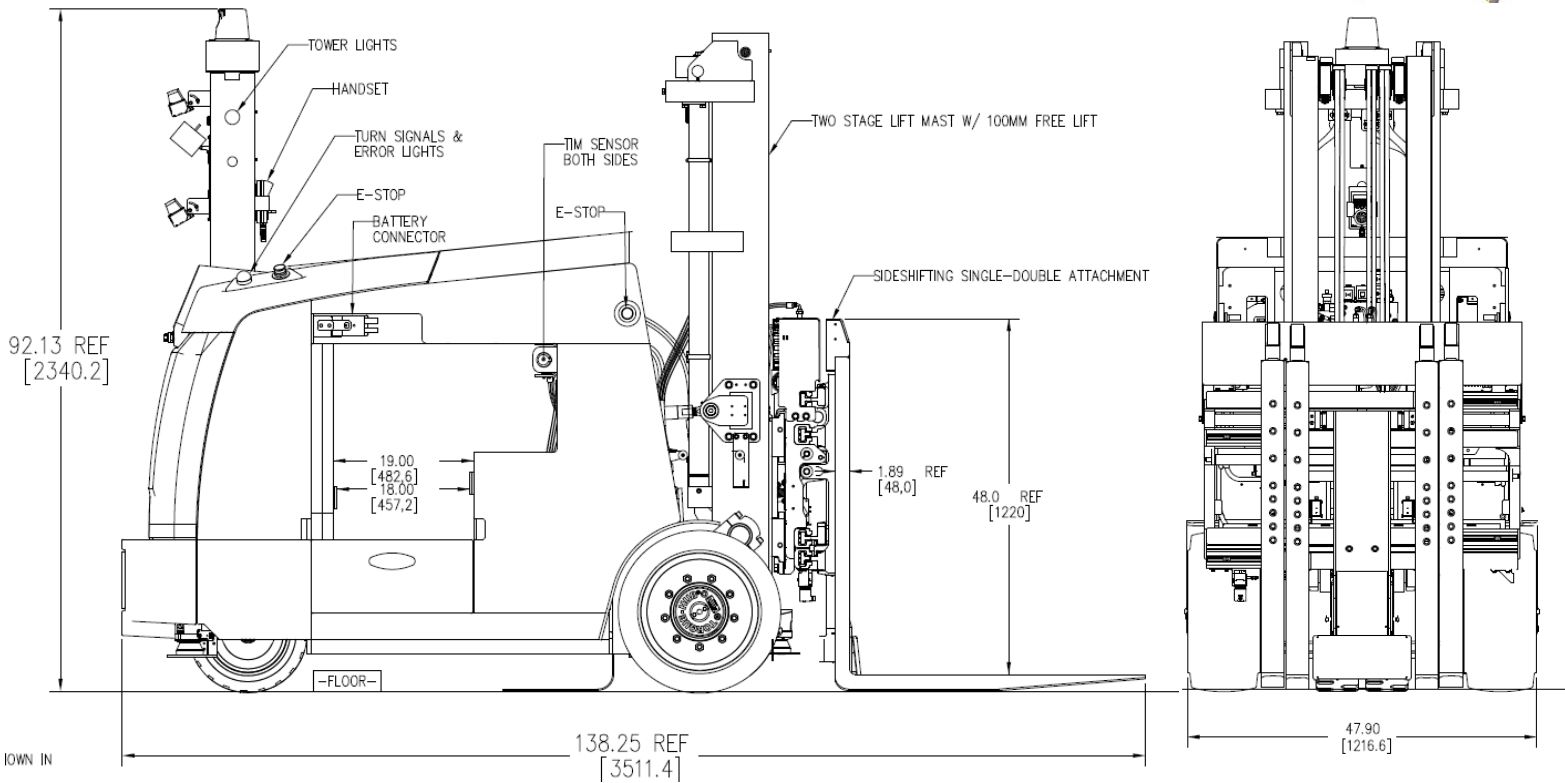
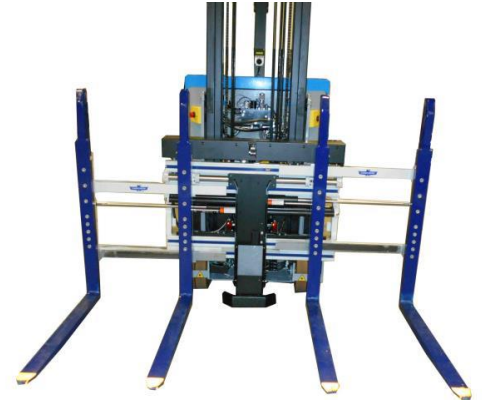




Automatic Trailer Loader (ATL)

Areas of Application

Built to last, our automated trailer loading (ATL) AGVs can navigate through even the most chaotic environments. They adapt to operational changes and accommodate multiple loading patterns. In ATL AGVs, you receive a flexible solution to your specific truck loading challenges and needs.



Technical Specifications*

Operating Power	48vDC	Weight w Battery	13120 lbs.	5963 kgs
Drive	Electric	without Battery	10620 lbs.	4827 kgs
Steer	Electric	Load Capacity	6000 lbs. Max at 24" load center	2720 kgs Max at 600 mm load center
Lift	Hydraulic	Vehicle Width	47.9"	1216 mm
Braking	Regenerative Electro-mechanical	Vehicle Height	92.13"	2340 mm
Travel Speed	350 ft/min or 1.8 m/sec	Vehicle Length	138.25"	3511 mm
Manual Controls:	Joystick Controller	Lift Height	Up to 100"	Up to 2500 mm
Navigation	Natural Feature, Laser, Rail, Deep Lane, etc.	Lift Speed	4"/second	100mm/second

*Specifications can vary based on application