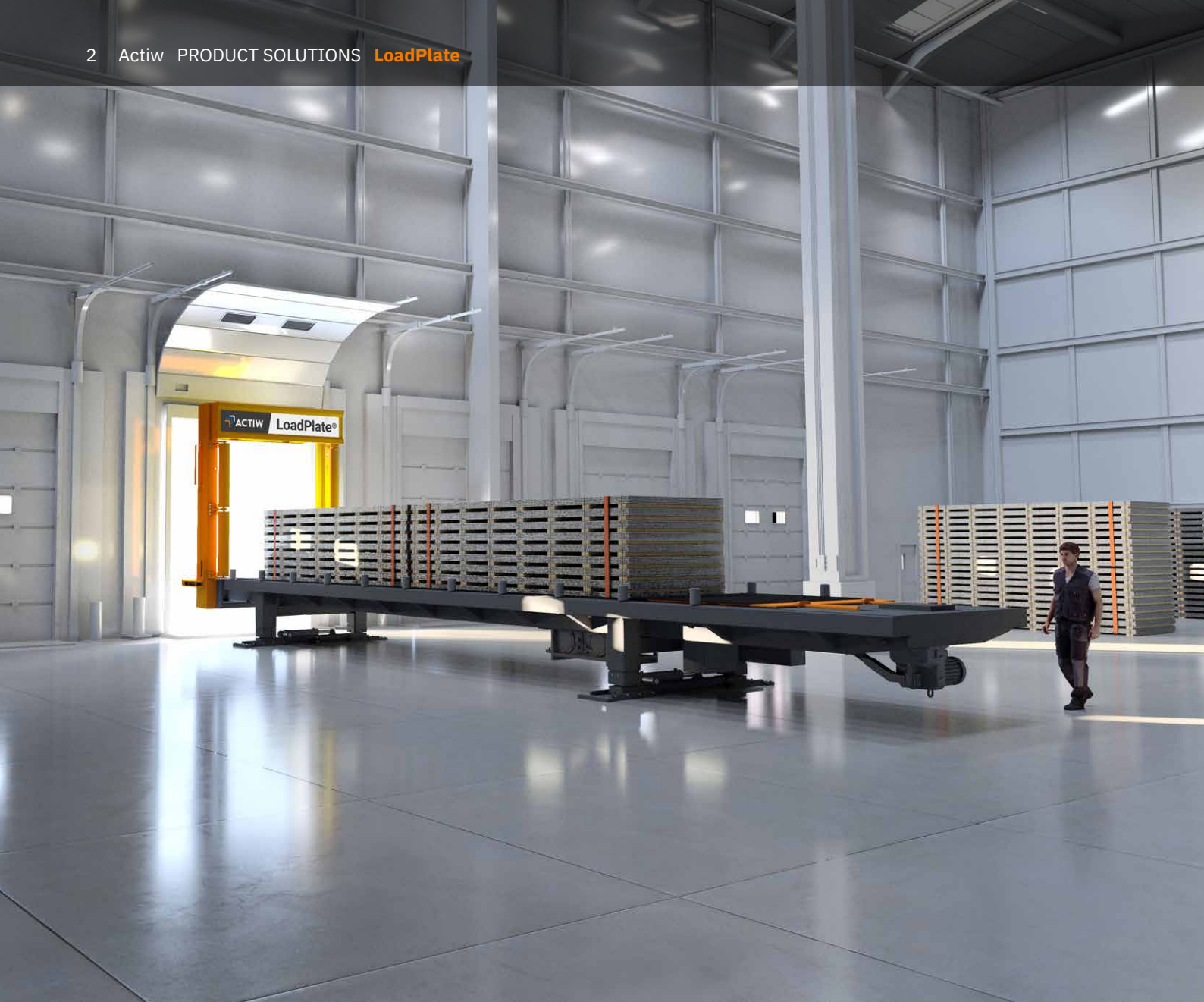


LoadPlate®

Semi-automated loading
for containers and regular,
nonmodified trucks



Automation for truck and container loading in your industry

Our customers use LoadPlate for complex or long cargo, such as steel or lumber. We at Actiw know the safety risks, challenges, and costs if goods are damaged in loading and transportation.

In 2001, Actiw introduced LoadPlate technology to improve our customers' loading operations. Today, we have over 100 satisfied customers using LoadPlate around the world to make their loading operations safer and more efficient.

Current customer loading includes:

- Lumber
- Plywood
- Pipes and plates of steel and other metals
- Complex cargo
- Insulation panels
- Chemicals (palletized & jumbo bags)
- Port 3PL companies

Automation improves the safety of your loading

LoadPlate maximizes safety for your personnel and the products they manage.



Improve work safety

When load handling requires manual work, there is risk involved in each step. When you automate your entire loading process, you reduce that risk.



Prevent handling damage

Eliminate damage to your products when loading them into trucks or containers. A reliable automatic loading solution keeps your products intact and your end customers satisfied.



Boost ecoefficiency

LoadPlate generates additional savings by reducing energy consumption. It runs on electricity instead of diesel oil, eliminating harmful emissions.



Save over 80% in labour and handling costs

Automation eliminates unnecessary work in load handling. A typical loading crew has three members, whereas LoadPlate can be run by a single operator.



Save on machinery investments

LoadPlate significantly reduces your fixed asset costs, replacing a fleet of forklifts with one loading machine.



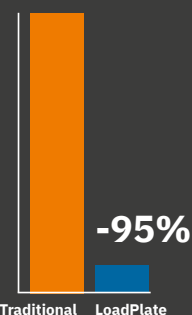
Increase loading capacity

When stuffing long goods or special cargo, LoadPlate can increase total handling capacity by 33% compared with traditional loading.

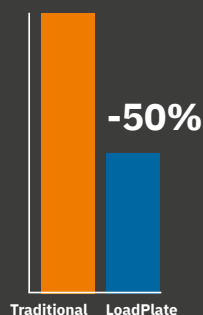
Increase capacity, decrease operational costs

When stuffing long goods or special cargo, LoadPlate can increase total handling capacity by 33% compared with traditional loading.

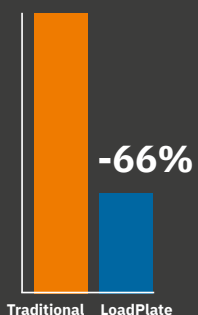
Product damage



Labor costs



Container loading time



Running costs compared to heavy forklift



LoadPlate VLP – for production sites

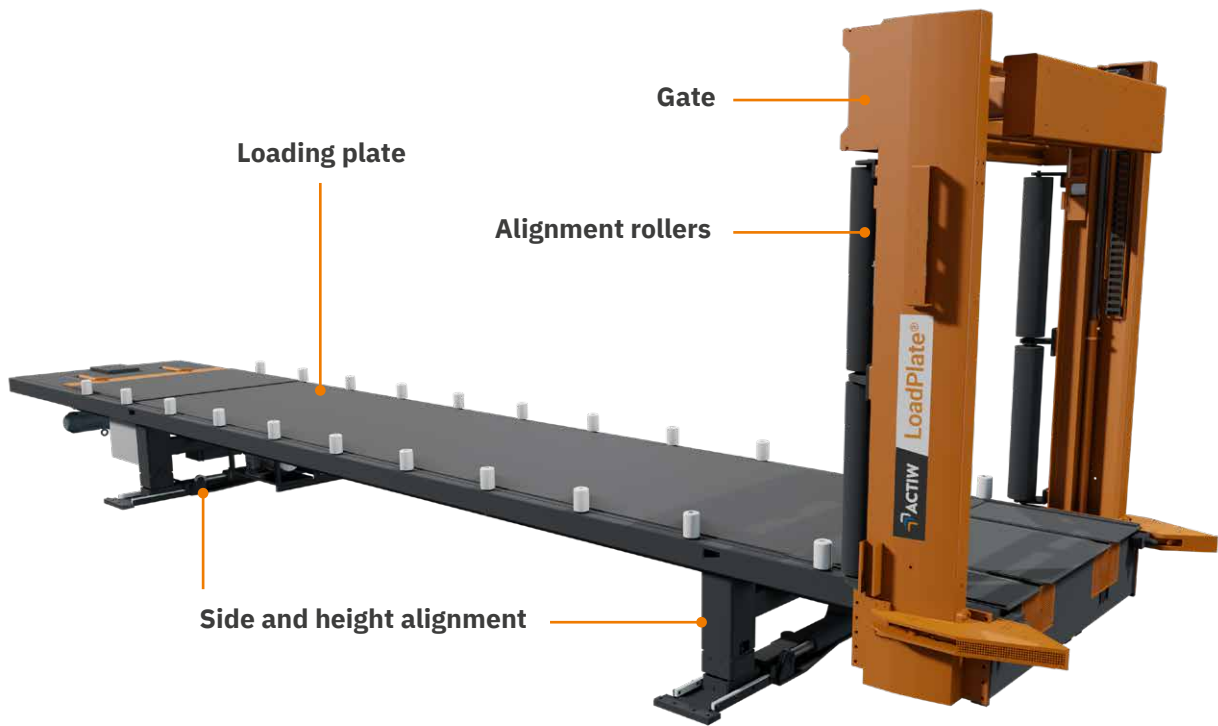
LoadPlate VLP (Variable Loading Position) is suitable for loading both trailers and containers on a chassis at a production site. Not all containers are the same size, so LoadPlate VLP can adjust for height and side variations.

LoadForming – LoadPlate’s load forming is usually done manually with forklifts or overhead cranes. This allows preparation of the load before its container is on site.

Alignment – LoadPlate stands on several supporting legs. Both ends can be raised or lowered to cope with varying trailer heights. Its legs are also adjustable horizontally, allowing accurate alignment with the container or trailer. Alignment is after load is on top of plate.

Loading – The goods are transferred into the cargo space on top of the loading plate. The stopper gate is driven down to

keep the goods inside the cargo space while the loading plate is pulled out. Once the plate is out, the loading process is complete, and the container is ready for transportation. After LoadPlate is free of the container, the unit is ready for a new load. Each loading cycle takes around 5 minutes.



Technical details

Capacity	Up to 30,000 kg / 66,000 lb			
Loading cycle time	5 min for 40 ft container			
Max equipment dimension		Height m (ft. in.)	Width m (ft. in.)	Length m (ft. in.)
	LoadPlate VLP 20'	5.0 (16'5")	3.3 (10'10")	9.5 (31'2")
	LoadPlate VLP 40'	5.0 (16'5")	3.3 (10'10")	15.5 (50'10")
	LoadPlate VLP 45'	5.0 (16'5")	3.3 (10'10")	17.0 (55'10")
	LoadPlate VLP 53'	5.1 (16' 9")	3.4 (11'2")	19.8 (64' 11")
Adjustments	Height adjustment	400 mm (1'4")	Side alignment	~2 deg (±250 mm / ±10")
Cargo spaces	Containers	20 ft, 40 ft, 45 ft, 53 ft (DC, HC and PW variants)		
	Trailers	Up to 16.2 m / 53 ft (depending on the LoadPlate model)		
Installation location	Indoors or outdoors (IP54 protection class as standard)			
Temperature range	From -30 °C to +54 °C (from -22 °F to +129 °F)			
System design	According to EC Directive 2006/42/EY			
Power inlet	Range e.g. 200 V–600 V, 63 A (according to the local requirements)			
Power consumption	~1.5 kWh per loading cycle			
System lifetime	Designed system lifetime 15+ years			

- Robust and proven solution for container and trailer loading
- Easy and reliable operation
- Stage and load the container simultaneously
- Easy installation and fast startup
- Suitable for loading heavy and complex cargo
- Reduces docking time to a matter of minutes
- Less manual work and equipment needed
- Gentle loading, for both cargo and cargo space
- No alterations needed to trailers and containers
- No special unloading equipment required at the receiving end



LoadPlate FLP – for port operations

LoadPlate FLP (Fixed Loading Position) is suitable for locations, where containers are handled with reach stackers, straddle carriers and related equipment. This model is favoured by customers operating ports or inland terminals, and those transporting lumber.

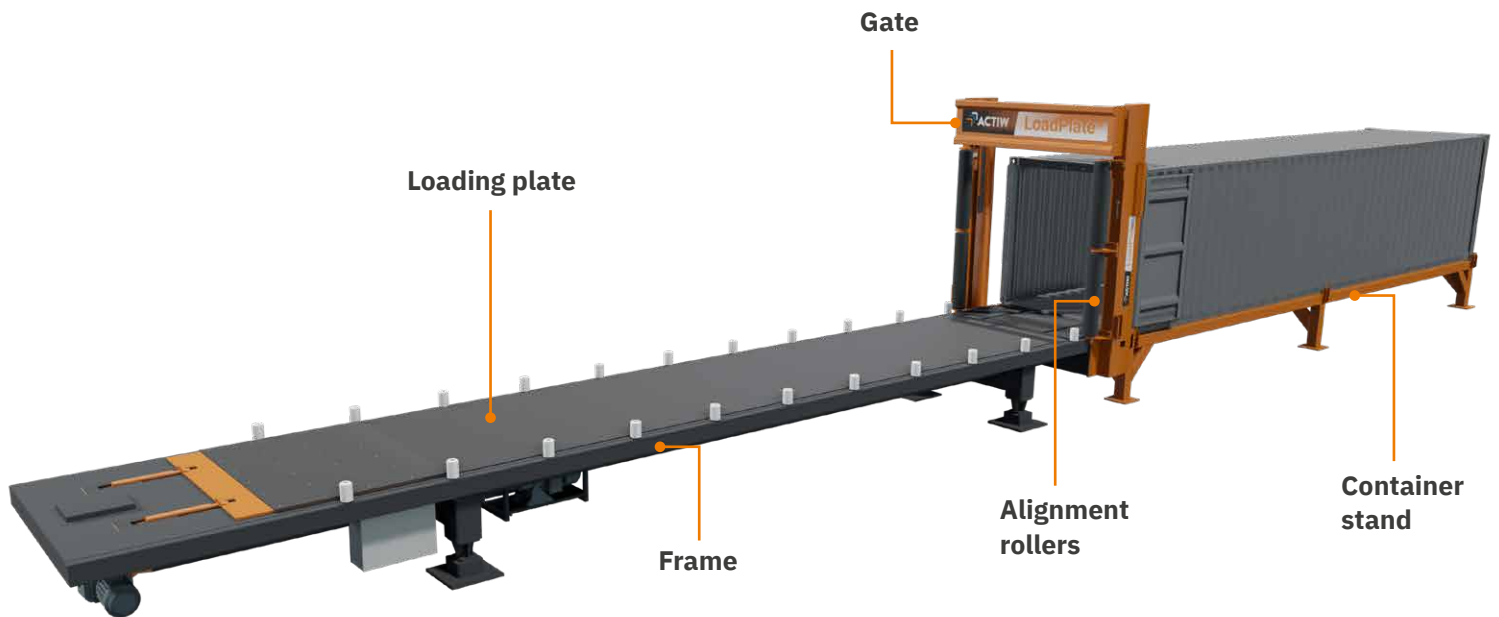
LoadForming – LoadPlate’s load forming is usually done manually with forklifts or overhead cranes.

This allows preparation of the load before its container is on site.

Alignment – LoadPlate stands on fixed supporting legs and includes a container stand. The container stand is aligned with LoadPlate, ensuring that the container is in the correct position for loading.

Loading – The goods are transferred into the cargo space on top of the loading plate.

The stopper gate is driven down to keep the goods inside the cargo space while the loading plate is pulled out. Once the plate is out, the loading process is complete, and the container is ready for transportation. After LoadPlate is free of the container, the unit is ready for a new load. Each loading cycle takes around 5 minutes.



Technical details

Capacity	Up to 30,000 kg / 66,000 lb			
Loading cycle time	5 min for 40 ft container			
Max equipment dimension	Height	Width	Length	
	m (ft. in.)	m (ft. in.)	m (ft. in.)	
	LoadPlate FLP 20'	4.6 (15'1")	3.3 (10'10")	9.5 (31'2")
	LoadPlate FLP 40'	4.6 (15'1")	3.3 (10'10")	15.5 (50'10")
	LoadPlate FLP 45'	4.6 (15'1")	3.3 (10'10")	17.0 (55'10")
LoadPlate FLP 53'	4.6 (15'1")	3.3 (10'10")	19.8 (64' 11")	
Adjustments	Height adjustment	Fixed height 1150 mm	Side alignment N/A	
Cargo spaces	Containers	20 ft, 40 ft, 45 ft, 53 ft (DC, HC and PW variants)		
	Trailers	N/A		
Installation location	Indoors or outdoors (IP54 protection class as standard)			
Temperature range	From -30 °C to +54 °C (from -22 °F to +129 °F)			
System design	According to EC Directive 2006/42/EY			
Power inlet	Range e.g. 200 V–600 V, 63 A (according to the local requirements)			
Power consumption	~1.5 kWh per loading cycle			

Actiw customer care keeps your operations running smoothly



- 24/7 support helpdesk
- Preventive maintenance reporting, on-site support if required
- Training for operational and maintenance staff
- Spare parts to ensure trouble-free operations
- Retrofits to adapt your changing loading needs

Actiw is one of the leading outbound logistics innovators and solution providers for industrial warehousing and storage. Actiw has solved, optimized and automated material handling processes for over 30 years.

We provide automated loading equipment, intelligent turnkey solutions and 24/7 services to improve the safety and productivity of your loading. We are fully committed to the task of lightening your load.



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Lighten the load