



Automated Loading for
Non Modified Trucks & Trailers

LoadMatic[®]

Lighten the load



Driving the Evolution of Loading Solutions

Actiw provides automated loading equipment, intelligent turnkey solutions and 24/7 support services to transform the quality, safety and overall productivity of your industrial loading and dispatch operations.

With over 35 years of industry expertise, +200 successful installations across the globe and over 2 million loads of palletized, slip sheet or non-palletized products loaded into standard trailers and containers, we have established an industry leading track record of improving loading and dispatch operations for our customers.

Our expertise in engineering, commitment to excellence, and continuous improvement drives us to provide proven innovative loading solutions that maximize intralogistics efficiencies across an increasing range of industries and demanding high throughput applications.

Actiw's unique one-shot plate loading technology brings a new level of performance, flexibility, reliability and safety to your automated loading processes. We offer full design, supply and integration of dispatch operations with various infeed types and multiple load forming solutions to achieve high filling rates. Our solutions are suitable for green field and brown field applications.



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LoadMatic® MAXIMIZING EFFICIENCY



Actiw's 'one-shot' solution enables combined staging and 'loading' in one operation, enabling a potential reduction in dispatch operating costs by over 85%.

LoadMatic can automatically form, stage and load with output rates up to 120 pallets per hour or 3-4 loads per hour per dock dependent on load size and pallet pattern. Combined staging and 'loading' in one operation reduces product handling by over 50%.

With automated inspection and control over the staging and loading processes, the quality, efficiency, and safety is guaranteed. Automatic loading eliminates product damage and ensures the quality of your customer shipments 24/7.

LoadMatic also generates additional savings by reducing energy consumption. The total cost of energy is up to 60% less than with traditional methods.

Annual operating cost comparison



Traditional LoadMatic

MATERIAL HANDLING **SAFETY**

Automation removes operators and heavy equipment from dock area and trailer entry.

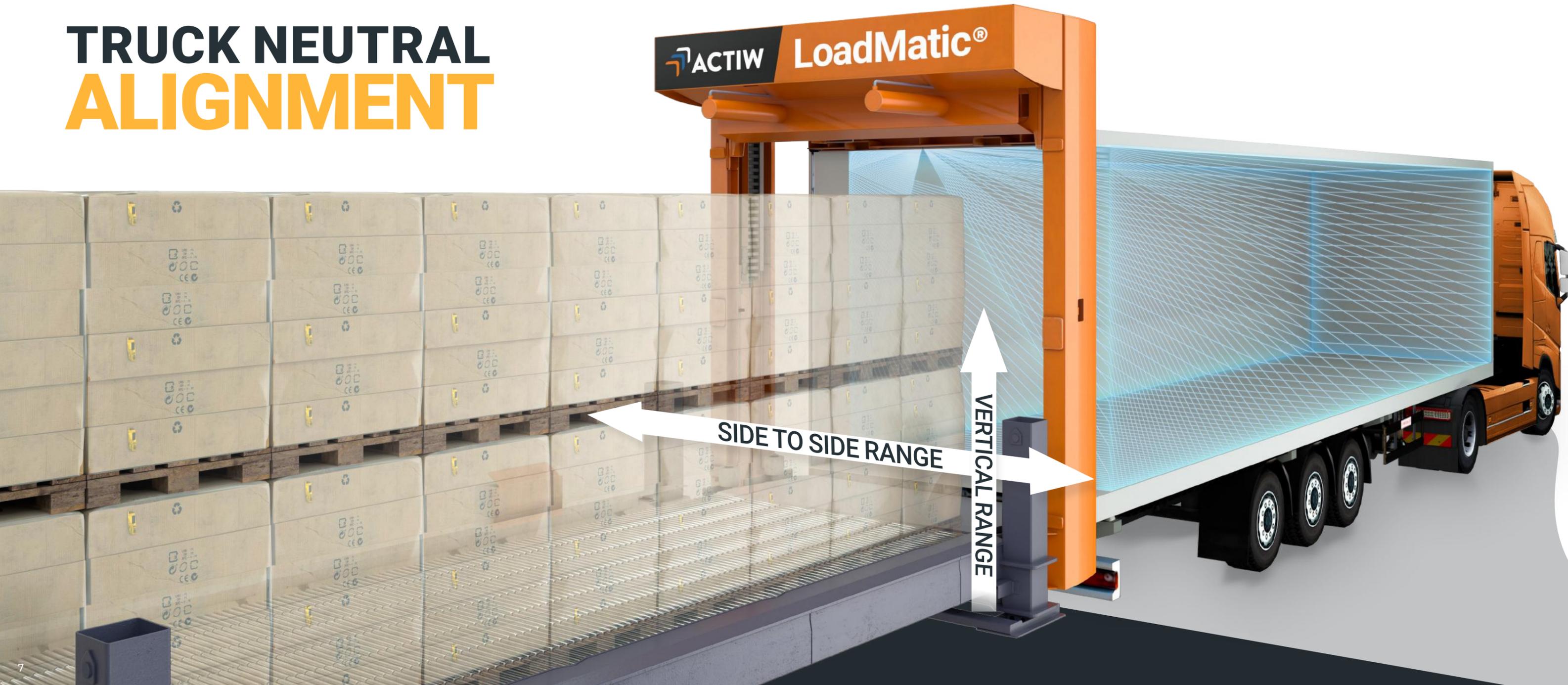
High volume manual product dispatch docks are one of the most critical and high-risk operations in the supply chain. A fully automated loading process completely removes operators and forklifts from the dock area for load staging, load forming and during the loading process. This ensures 100% safety with no need for operators or heavy equipment repeatedly entering and reversing from the trailer or container.

Automating both staging and loading eliminates the possibility of accidents and creates a fully controlled and stable environment in the dock area, minimizing the potential of human error and reducing the physical strain on workers or potential equipment and product damage.

LoadMatic systems are fully CE certified and equipped with industry approved safety locks and interfaces.



TRUCK NEUTRAL ALIGNMENT



Advanced load space analysis, alignment and compensation ensures load quality and system reliability.

The LoadMatic® system performs numerous quality control functions to ensure trouble free and reliable loading. The system performs a profile check of the formed load and highly accurate scan of the docked trailer or container, confirming the dimensions and position of the load space prior to loading.

The system automatically aligns itself both vertically and horizontally with the trailer/container and continuously adjusts the height of the system during loading, matching the change in truck suspension height as the load is transferred.

The highly accurate alignment and inspection capabilities of the LoadMatic® system minimizes potential loading disruptions and product damage.

Alarms and error reporting allow operators to assess potential issues with load space or product quality and take recovery actions, if required.

MANUFACTURING PRODUCTIVITY

Outbound Efficiency Measurement

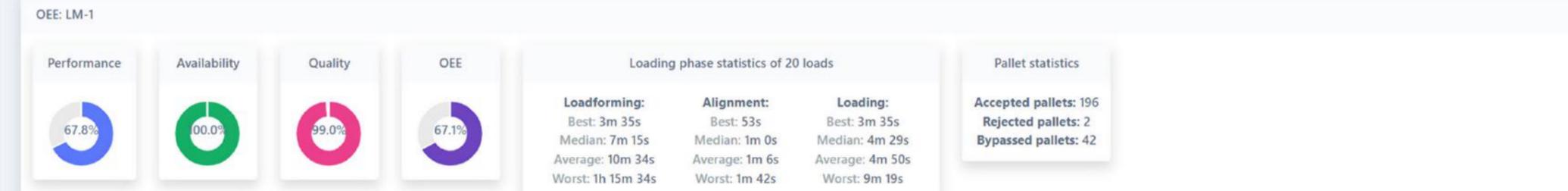
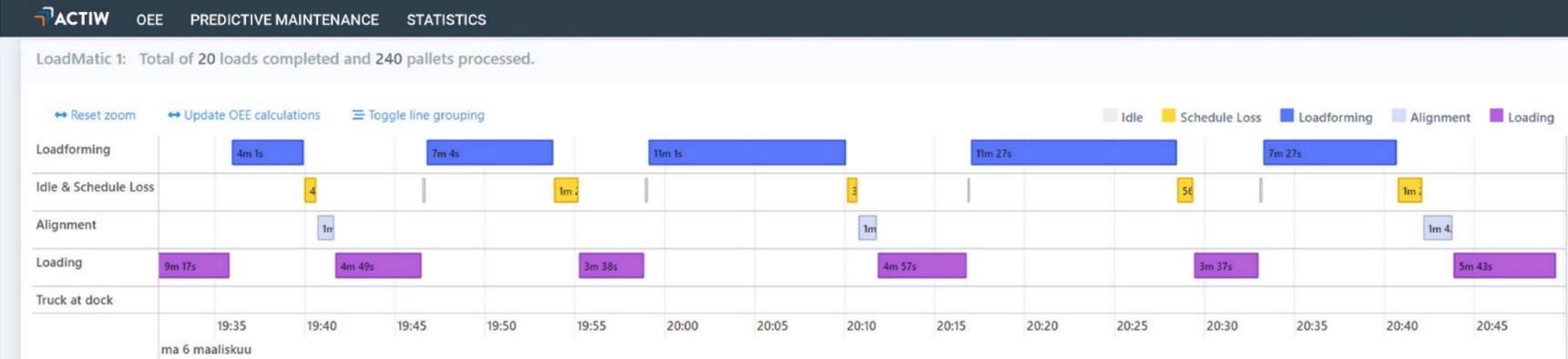
By automating the dispatch operations, you can monitor and tune the system to reach maximum efficiency and adapt your site process.

By monitoring the system, you will gain important insights on how to systematically improve your outbound process and identify the opportunities to improve upstream and downstream activities.

Measuring productivity can save valuable operating time by identifying losses and benchmarking outbound processes, including production and shipping on day-to-day, weekly and monthly reports.

Actiw's data analysis measures OEE (Overall Equipment Efficiency) by monitoring movements and sensor signals of the loading devices. OEE calculation includes availability (process failures, maintenance times), performance (idle time, loss of efficiency, process speed) and quality (product defects).

With this data collection and analysis, it is possible to also monitor process energy consumption, plan predictive maintenance and integrate the collected data to other systems.



Started At	Total Time	Schedule Loss	Performance	Availability	OEE	Timeline	Details
06.03 11:57	1h 24m 17s	3m 43s 4.4%	8.6%	99.4%	8.5%	↔ Focus	Show
06.03 13:27	25m 4s	11m 51s 47.3%	63.7%	100.0%	63.7%	↔ Focus	Show
06.03 13:52	1h 50m 23s	1h 42m 49s 93.1%	94.0%	100.0%	94.0%	↔ Focus	Show
06.03 15:43	10m 8s	1m 9s 11.3%	97.1%	100.0%	97.1%	↔ Focus	Show
06.03 15:54	21m 7s	9m 58s 47.2%	63.0%	100.0%	63.0%	↔ Focus	Show
06.03 16:15	12m 21s	2m 51s 23.1%	91.9%	100.0%	91.9%	↔ Focus	Show

LoadMatic®

SPECIFICATIONS

PARAMETER	DESCRIPTION
Inbound	Production, ASRS, Sequencer, Pallet staging, Forklift, AGV/AMR
Load Forming	Conveyor, Robot, Inverter, Push / Pull, Double stacking, De-palletizer
Load Types	Pallets, Bags, Crates, Slipheets, Jumbo Bags
Cargo Spaces	Sea containers 20', 40' and 45' (DC, HC, PW) US 53 ft 48ft trucks, 13.6 m box / curtain trailer
Capacity	Up to 120 pallets /hour / four loads/hour (depending on layout configuration and loading pattern)
Max Load	Up to 30,000 kg
Installation locations	Indoors or sheltered. Floor level or stepped dock
Temperature Range	-30 to +54 °C
Safety Compliance	EC directive 2006/42/EY
Availability	Up to 98%
System Lifetime	Designed system lifetime is minimum 20+ years



FOOTPRINT OF LOADMATIC

	WIDTH (W)	LENGTH (L)
20ft	3.2m (10'-6")	8,7 (28'-8")
40ft	3.2m (10'-6")	14,7 (48'-4")
45ft	3.2m (10'-6")	16,5 (54'-2")
53ft	3.2m (10'-6")	19,0 (62'-4")

Explore our range of Automated Loading solutions in the Actiw Virtual Showroom





bofrost*



KraftHeinz



Terrafame





**It's a game-changer.
LoadMatic has revolutionized our
loading process, saving time and money.**

**LoadMatic truly lightens our
workload in our daily operations.**





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Lighten the load

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