



LT4.0 - Automatic **L**oading **T**ruck System

*imagine the revolution
becomes possible*



NEXT

**Next PJ™ Introduces [LT4.0]
a step towards company 4.0**

LOADING TRUCK 4.0 [LT4.0] is an economical, compact and efficient high-speed fully automated system for loading bags directly onto trucks. No matter what your product is, whether it is bags of cement, gypsum, cereals, flour, sugar, plastic grains, rice, fertilizer, animal feed or similar products we can be your partner.

The LT4.0 automatically loads trucks from the packaging line, with a capacity of up to 3,500 bags per hour. It can load directly onto the truck body or onto pallets for unloading later (production buffer).

The system allows you to choose the type of loading mosaic, guaranteeing the stability of the load. The type of loading pattern (mosaic) is quickly set via an operator panel located on the loading bay. The configuration can be customized to suit each customer's Requirement depending on the size of the bags.

LT4.0, through the PLC automation system and 12" HMI, guarantees reliability and efficiency. Maintenance and software upgrades via internet or flash drive guarantees that the system is always reliable and up-to-date, reducing maintenance costs and downtime.





The LT4.0 is the only way to load bags directly from the production line onto the truck. It brings enormous benefits to the company and especially to the shipping industry by replacing manual loading, thus reducing labor and production costs.



CONCRETE



PLASTER



SUGAR



PETROCHEMICAL PRODUCTS



FLOUR



FERTILIZER



FEED



RICE





NEXT

LT4.0 as mentioned can load up to 3500 bags per hour directly on the truck in optimal conditions. The performance data are described below:

It is a totally safe system capable of loading 24 hours a day, 7 days a week, eliminating material storage. The **LT4.0** is a very cost-effective system with a very short payback period

It is totally customizable. Whether you want to adjust the distribution on the truck bed to ensure greater shipment stability, change the mosaics in the layout, the type of truck or even the type of bag **LOADING TRUCK 4.0** is your product.

number of bags for truck	bags for hour	loading time	waiting time between trucks (min)	actual time bags loaded for hour	operators for machine
400 (20 ton.)	3500	> 7 min	1 min	3090	1
600 (30 ton.)	3500	> 10 min	1 min	3177	1
800 (40 ton.)	3500	> 13 min	1 min	3265	1

1. High loading speed, up to 3500 bags per hour.
2. Fully automatic load control.
3. Operational 24 hours and non-stop mode.
4. Easy installation and maintenance.
5. Adaptable to different types of bags and materials.
6. Prevents major injuries in all conditions.
7. It works with low maintenance and consumption.
8. Solutions for flexible loading: mosaic configuration, bag sizes and feed belts
9. The mosaic is prepared on top of the conveyor and placed on the flatbed truck.
10. Even faster truck turnover with the highest load capacity available on the market.

MAIN TYPES OF BAGS



LOADING TRUCK 4.0 [LT4.0] can transport bags weighing between 25 and 60 kg, all supervised by the computer system, and machine vision camera systems connected directly to the automation system. The principal bags type that the LT4.0 can convey are as follows

The main characteristics of [LT4.0]





Software and technology interfacing



A&SI™ Software and technology interfacing

True efficiency is provided by high-level AI (artificial intelligence), the technological package that LT4.0 present to the customer are the engine of a reliable, flexible and mutable system to the needs of the customer

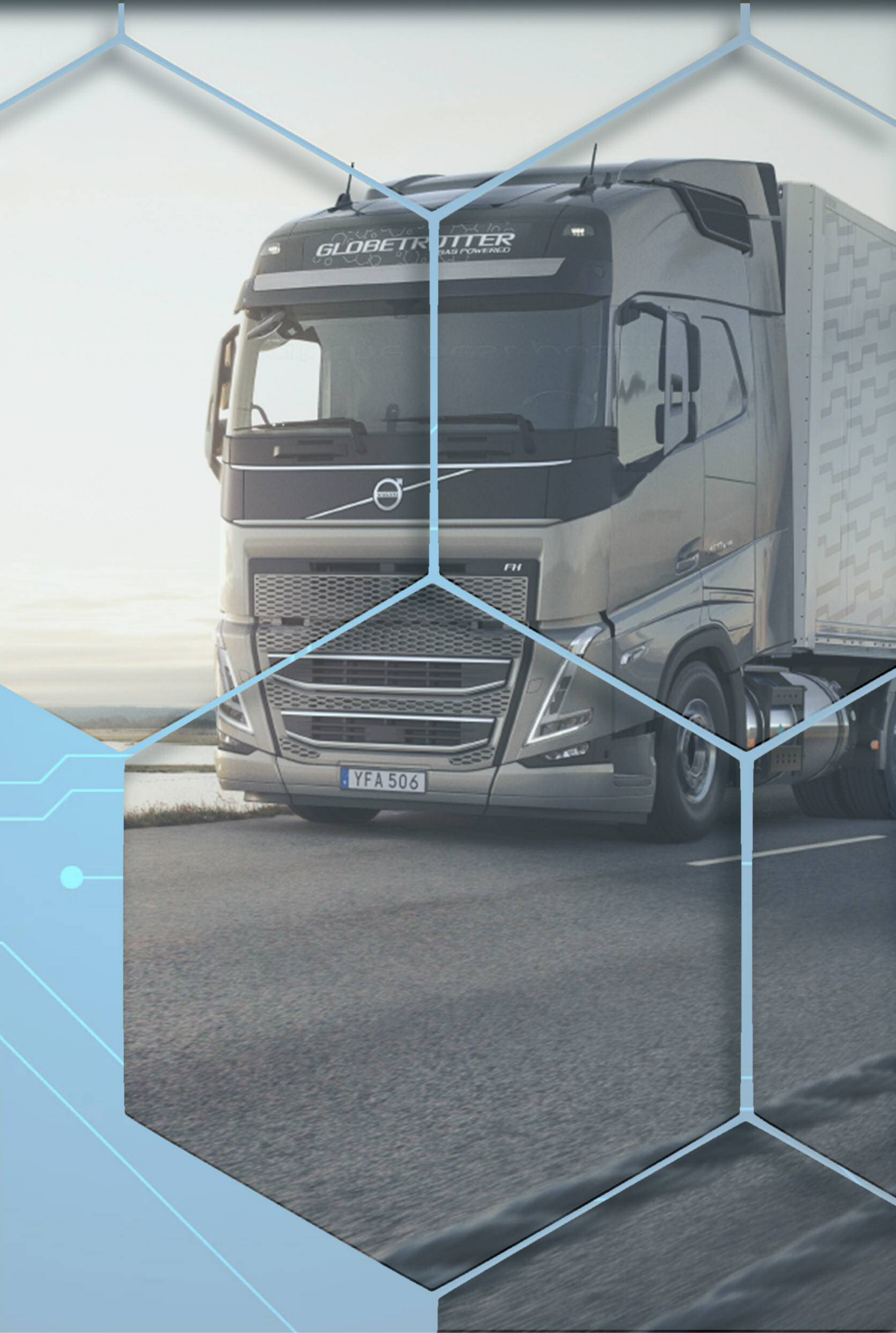
LT4.0 through a remote connection for maintenance, configuration help and much more, is able to turn any problem into a remote memory.

Point next™ SCADA interface for real-time plant supervision provides a simple and intuitive dashboard. Alarm, machine status, maintenance status, display of KPIs [performance indicators] for each load bay and advanced supervision services, a "Peer-to-peer" service between systems that contribute to efficiency and stability system.

XT store™ XT store™ warehouse software, which will guarantee in a completely automated way the printing of the delivery notes at the end of the loading, forwarding to destination of the Delivery note [DN], electronic delivery document, through a pre-established procedure and without any use of paper documents, closing the cycle from production to delivery will be a child's play.

LT4.0 exploiting the potential of an advanced and flexible access control system, in fact, through RFID cards, Bluetooth or numeric keypad will allow the integrated and secure management of the truck entrances in the company, the reservation of the load through the Doc-Point where the truck will be verified by cameras detecting the number plate and face of the driver verifying the presence or absence in the blacklist, enable the load in the bay. Functionalities, therefore, that speed up and make the process safe, and a safe process is a documented process, therefore, automatic collection of the transport document in one of the Doc-Points at the end of the load, the exit from the company after the transit through the weighing machine [the passages through the weighing machine, both incoming and outgoing, allow a precise and safe control] guarantee efficiency and safety.





XT-truckT™ system, geo-localisation of the outbound fleet of vehicles will allow you to monitor vehicle activity, obtain information on departure times, unloading times, stops, and all this for real-time online trip monitoring and management at your site.



NEXT7

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