

Press Release
Lyon
November 2021

JOST presents strong news at Solutrans 2021

Live demonstrations of the new KKS automatic coupling system, as well as innovative new products and tried and tested products on the exhibition stand: JOST will be welcoming the international exhibition public at Solutrans from 16 to 20 November in Lyon. In addition to the KKS, special #future-now highlights are the Drawbar Finder upgrade kit, the Trailer Management System TRITRONIC and the ZGA command steer axle with the EF-S electronic steering system.

Automatic coupling by remote control with KKS: faster, safer, more efficient

KKS, which has been introduced in spring 2021, enables the drivers to perform the coupling and uncoupling of the semi-trailer automatically, quickly and safely from the driver's cab by remote control. Efficiency, convenience and safety gains are made possible with just one product. The KKS automatic coupling system thus represents the future of logistics and is an important building block for autonomous driving. There will be live demonstrations of the new KKS at the show: Every hour daily at the Solutrans test site, the trade fair public is able to have a look at JOST's product innovation.

JOST Modul E-Drive: the electric landing gear for more comfort and safety

At Solutrans, JOST exhibits the Modul E-Drive electric landing gear, which is also part of the KKS system. Modul E-Drive eliminates the need for power-intensive manual cranking and makes it easier to couple and uncouple the trailer. Additionally, the Modul E-Drive is particularly suitable for frequent semitrailers, as it enables simple operation at the push of a button. The drive of this landing gear switches off automatically when it comes into contact with the ground or when the landing legs are completely retracted. Differences in height between the trailer and the tractor can be compensated for by means of the vehicle's air suspension or by manually cranking the load gear. The electric landing gear effortlessly manages its operation at outside temperatures of up to -20 °C. Modul E-Drive is based on the highly reliable Modul components and is available in various mounting heights. The internal gearbox of the Modul E-Drive is maintenance-free. Thanks to the long-term lubrication ex works and the low-wear design, the life cycle costs are extremely low.

OPTIMA: the new weight-optimised landing gear

In Lyon, JOST also presents the latest member of the Modul family, the OPTIMA landing gear. It's an ideal solution for long-distance transport applications thanks to its weight optimization. OPTIMA is also based on the reliable Modul components and, with its reduced weight, contributes to a higher payload and thus to increased trailer economy. It is available in all three plate positions as well as in four different mounting heights and is based on the standard market mounting dimensions.

JOST ZGA command steer axle with electronic steering system EF-S from TRIDEC

Narrow depots, winding city centres and a 16.5 m long tractor trailer that needs to be steered safely – this is where conventional axle systems reach their limits and the use of a command steer axle is required. The new JOST ZGA is convincing in a wide range of applications and can be used with all common steering systems, whether mechanical, hydraulic or electronic. It also offers other outstanding performance features, such as the low steering roll radius. At Solutrans, JOST shows the ZGA combined with the electronic steering system EF-S from TRIDEC. Here, up to three ZGA axles can be used. The steering angle can be easily adapted to the available space for installation and the required maneuverability.

TRIDEC TRITRONIC: Wireless Trailer Management System

As a developer and producer of axle and manufacturer-independent steering systems, TRIDEC offers not only mechanical, but also hydraulic and electronic steering systems for trailers. TRIDEC presents TRITRONIC at the exhibition stand: TRITRONIC is a wireless trailer management system for heavy-duty transporters and is a supplement to the hydraulic TRIDEC steering and suspension systems. It offers the possibility of operating several functions on the trailer, such as steering, automatic toe-in, ride height control and many more, by means of a single powerful remote control. In terms of functionality, ease of operation and safety, TRITRONIC offers a solution for heavy transport that is unique on the market.

Drawbar Finder: smart solution for the coupling process

With the Drawbar Finder, ROCKINGER presents the latest innovation at Solutrans: Here, a camera sits centrally and protected above the trailer coupling, quasi as a "third eye" – thus there is no offset to the towing eye. The visual guidance in two directions, horizontal and vertical, enables precise coupling, which increases efficiency and helps to avoid accidents. The driver no longer needs to get out of the cab to check the correct drawbar eye setting. The solution is available for both the RO*50 and 50E 50mm towing hitches and the RO*50 BNA towing hitch for the French market.

ROCKINGER: Proven towing hitch RO*50E

With the proven towing hitch RO*50E, the traditional brand ROCKINGER presents a towing hitch that is characterised by its robust and low-maintenance design as well as its simple and safe handling. The RO*50E features the ROCKINGER release lever principle, which enables smooth engagement even under difficult drawbar eye angles. The coupling only closes when the drawbar eye is fully retracted into the jaw. The proven ROCKINGER release lever principle prevents incorrect coupling due to a closing process that is triggered too early or jerky coupling, as is necessary with the standard pin lifting system. A new feature is that the RO*50E is also available with a cast steel jaw for robust coupling.

ROCKINGER RO*50 BNA

As a further highlight, JOST will exhibit the ROCKINGER RO*50 BNA towing hitch with remote control incl. drawbar finder at Solutrans. The ROCKINGER RO*50 BNA was developed especially for the French market, as it is used for the trailers used here with ring drawbar eyes according to the BNA design (68 mm). The special second-generation hydraulic damping system with by-pass system prevents play of

the drawbar eye on the pivoting pin and thus ensures low wear and maximum driving comfort. The new second-generation hydraulic unit is also integrated into the coupling in such a way that it can be bolted to the rear crossbar from the outside without having to be dismantled, making the RO*50 BNA extremely easy to install.

The JOST World stand is located at this year's Solutrans in 3A011.

Photos:

Automatic coupling system KKS:



Electric landing gear Modul E-Drive:



Weight-optimised landing gear OPTIMA:



Command steer axle ZGA with electronic steering system EF-S:



Wireless Trailer Management System TRITRONIC:**Drawbar Finder:****Towing hitch RO*50E:****About JOST:**

JOST is a leading global producer and supplier of safety-critical systems for the commercial vehicle industry. Under the umbrella brand JOST, the comprehensive range of products is divided into systems for the road and agriculture:

The JOST brand includes fifth wheel couplings, landing gears, ball bearing turntables, kingpins and container locks as well as components for alternating systems. Trailer axles and truck axles are also sold under the JOST brand. The core products of the traditional brand ROCKINGER are towing hitches, drawbar eyes and drawbars for both transporters and trucks. TRIDEC offers steering systems and axle suspensions for trailers.

ROCKINGER products are also for use in the agricultural industry. The new brand Quicke has been part of the JOST World since February 2020 and specializes in agricultural front loaders and implements.

JOST currently employs more than 3,000 staff across the world and has sales and production facilities in more than 20 countries on all five continents. The company is listed on the Frankfurt Stock Exchange since 20 July 2017. For more information about JOST, please visit www.jost-world.com.

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