

Press Release

Verona

March 2023

JOST World with impressive innovations and proven solutions at LetExpo in Verona

Three significant industry trends define the presentation of JOST at the LetExpo in Verona from 8 to 11 March: assistance systems for drivers (#jostassist), eco-friendly products (#jostgreen) and digital solutions (#jostdigital). On the exhibition stand in the hall and outside the international audience will experience live demonstrations of JOST's automatic coupling system KKS, as well as innovative new products and tried and tested solutions. Alongside the KKS, special product highlights are the new King Pin Finder assistance system and the weight-optimised axle DCA WEIGHTMASTER PLUS.

Automatic coupling system KKS with new KKS-U Connector: faster, safer, more efficient

KKS enables drivers to couple and uncouple semi-trailers via remote control – automatically, safely and quickly. Climbing out of the cabin, cranking down the landing gear and manually connecting the spiral cable, air and brake connections are all a thing of the past. Efficiency, convenience and safety gains are made possible with just one product. The KKS 42 fifth wheel coupling, Modul E-Drive electric landing gear, sensor coupling system, 3-sensors, LubeTronic automatic lubrication system, KKS remote control and the ISO 13044-2-certified KKS connector all combine to form an innovative system for the coupling process. The KKS thus represents the future of logistics and is a key component of autonomous driving.

At the LetExpo JOST will present another innovation of the KKS – the KKS-U Connector: The KKS-U Connector is retrofittable to existing trailers that are already on the roads of this world. This means that existing trailers can be equipped with a KKS system with little effort. The KKS-U connector controls all the mechanical, electrical, and pneumatic connections between the truck and trailer, eliminating the need for vulnerable air, electrics and ABS/EBS spiral lines. Alongside the exhibit at the stand, there will also be live demonstrations: Visitors can have a look at the automatic coupling process every day in the outside area of Hall 4.

JOST King Pin Finder: new assistance system

One of JOST's new products that will be presented in Verona is the King Pin Finder, a camera integrated in the fifth wheel coupling that supports the coupling process by sending optimum images to the dashboard in the driver's cabin. Securely integrated into the fifth wheel coupling, the JOST King Pin Finder provides assistance during coupling, thereby enhancing both safety and convenience. This latest assistance system allows the driver to find the ideal coupling height and to manoeuvre the tractor perfectly. The King Pin Finder assists by displaying a live camera image in the driver's cabin when driving backwards, making the coupling process considerably easier. On top of this, the system's intuitive handling assists drivers when changing trailers – thereby preventing accidents and damage to the fifth wheel coupling and king pin, as well as the truck and trailer.

Drawbar Finder: the smart solution for the coupling process

ROCKINGER will present a further innovation at the LetExpo in the form of the Drawbar Finder. Here, a camera sits in a central and protected position above the towing hitch, functioning as an extra set of eyes and preventing misalignment of the drawbar eye. By providing both horizontal and vertical guidance, it enables precise coupling, which in turn raises efficiency and helps prevent accidents. The driver no longer needs to get out of the truck to check that the drawbar eye is aligned correctly. It is therefore a practical tool for coupling processes, which is a particular advantage when using central axle trailers.

DCA WEIGHTMASTER PLUS: new weight-optimised axle

JOST's DCA WEIGHTMASTER PLUS made its debut at the end of 2022. Reducing emissions, protecting resources and maximising efficiency were the key aims when developing the lightest axle in its class. The optimised structure of the entire axle reduces the trio weight by 51 kg. In combination with the optional Weight Optimiser 27, the air bellows support with a lightweight aluminium tail end structure, further weight savings of 27 kg are possible in the trio. The highlight of DCA WEIGHTMASTER PLUS is its wheel head with optimised weight, wear properties and performance. This includes the new DCA X7 brake, the lightest brake in its segment. The aim during its development was to achieve ideal interplay between the brake disc and lining, thereby reducing emissions while maximising the payload and performance. The PLUS series of DCA axles offers benefits for all trailer applications. That is why it is not limited to the WEIGHTMASTER series. The new features will also be available for DCA AIRMASTER, DCA STEERMASTER, DCA PAVEMASTER, DCA MEGAMASTER and DCA RAILMASTER.

Strong drop legs with low weight: the new aluminum drop leg FA027

The aluminum drop leg FA027 optimally complements the JOST landing leg portfolio in the segment of weight-sensitive transports. As the lightest member of the landing leg family, on average the new FA027 saves 60 to 80 kg on each semi-trailer, which can be directly converted into paying cargo, i.e. maximum turnover on each trip. And if the extra load is not used, fuel is saved. Despite its low weight, it achieves a support load of 24,000 kg per set and is therefore particularly suitable for supporting tippers, silo and tanker vehicles.

JOST World stand: Hall 4, stand F3 & outside area of Hall 4 (with live demonstrations of the KKS).

Image material:

Automatic coupling system KKS and KKS-U Connector:



King Pin Finder assistance system:



ROCKINGER Drawbar Finder upgrade kit:



DCA WEIGHTMASTER *PLUS* weight-optimised axle:**Aluminum drop leg:****About JOST:**

JOST is a world-leading producer and supplier of safety-critical systems for the commercial vehicle industry. Under the umbrella brand of JOST, the comprehensive range of products is broken down into systems for applications on the road and in agriculture:

The JOST brand includes fifth wheel couplings, landing gears, ball bearing turntables, king pins and container locks as well as components for alternating systems. Truck and trailer axles are also sold under the JOST brand. The tradition-steeped ROCKINGER brand comprises the core components of towing hitches, drawbar eyes and drawbars for transporters and trucks. TRIDEC offers steering systems and axle suspensions for trailers.

ROCKINGER products are also used in agricultural applications. Quicke has been part of the JOST family since February 2020 and specialises in agricultural front loaders and equipment.

JOST currently employs over 3,600 staff worldwide and has sales and production sites in over 20 countries and on all five continents. JOST has been listed on the Frankfurt Stock Exchange. Further information on JOST can be found here: www.jost-world.com

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