

18.02.2025 // Munich, Pfedelbach

bauma 2025: efficient transportation with proven transport solutions from TII SCHEUERLE

TII Group subsidiary, TII SCHEUERLE, the industry expert for heavy-duty transportation for both on and off-road operations, attaches great importance to providing particularly versatile and therefore economically efficient application options for its transport and manoeuvring solutions. At bauma 2025, the world's leading trade fair for the construction and mining industry, TII SCHEUERLE is presenting optimised low-bed semi-trailers from the EuroCompact U9 series along with K25 heavy-duty modules. The numerous innovations raise operating comfort to a new level and significantly expand the area of applications thereby increasing overall cost-effectiveness. In addition, TII SCHEUERLE will be demonstrating how the performance of its SPMT vehicle generations is permanently secured through the TII retrofit program.

The two and three-axle SCHEUERLE EuroCompact U9 low-bed semi-trailers, specially optimised for weight and length, are ideal for transporting construction machinery, steel and concrete components or containers in the payload class up to 48 tonnes. The new gooseneck for these trailers exhibited at the bauma allows even more flexible adaptation to the respective tractor unit. It is also easier to couple and uncouple on uneven surfaces thanks to two independently-controlled gooseneck supporting cylinders.

In addition to the single telescopic deck versions, TII SCHEUERLE also offers a double-extendable variant which sets further standards in the segment with a construction height of just 260 millimetres and a maximum loading length of 17,000 millimetres. An additional separation point in front of the chassis allows precise load-oriented pre-tensioning. This means that the vehicle is always travelling at the lowest driving height and is, at the same time, equipped for extending the loading length to 30 metres. Furthermore, there is also a new excavator deck that can be converted into a loading area for agricultural vehicles. This makes TII SCHEUERLE the only provider of a "two-in-one" deck solution in the segment.

Versatile and economical: SCHEUERLE K25 transport modules for oversized and very heavy loads

The K25 heavy-duty modules, which TII SCHEUERLE produces at two locations, are the ideal and economically efficient choice for a wide range of demanding applications. This includes the transport of oversized and heavy construction vehicles, related components, prefabricated components and high-performance transformers. Depending on requirements, the system can be easily and cost-effectively adapted or expanded.

In addition to the fully modular design of the series, the extensive range of accessories also contributes to its versatile usability. In Munich, TII SCHEUERLE will be showcasing a combination comprising a four-axle module with drawbar and a four-axle split module. As a result, this makes it possible to combine the K25 into a 3-file combination in order to achieve vehicle widths of four to five metres and thus increased stability.



Always state-of-the-art technology: retrofit program allows functional updates of the SCHEUERLE SPMT

For accommodating a wide range of logistical challenges in the energy, construction and mining industries, TII SCHEUERLE offers the SPMT platform transporters with 3, 4, 5 or 6 axle lines. Thanks to the wide range of electronic or mechanical coupling options, they offer a theoretically unlimited payload. With almost 30,000 axle lines in customer hands, TII SCHEUERLE is the global market leader in its segment. This high level of intercontinental availability and the cross-generational coupling capability allow users to rent or lease additional modules from any location in order to cost-efficiently expand their fleets as required.

TII SCHEUERLE will be demonstrating this advantage through the combination of two SPMT modules of different technical generations. Thanks to the retrofit program, the older model is also in a technically modern condition. This means that it is equipped for handling new, additional transport tasks and also meets requirements for ensuring particularly high environmental sustainability.

Lifelong partnership: TII is a reliable partner from procurement and telematics through to service

The competent and reliable support provided by TII experts during procurement as well as vehicle use along with the value-added services such as the SCHEUERLE Connect and KAMAG Connect telematics solutions, the TII Group's global service network and the Click4Parts online shop round off the range of transport and manoeuvring solutions. Fleet operators also benefit from digital services such as remote diagnostics, smart services, intelligent maintenance management and condition monitoring which facilitate improved planning of operations and service times of TII transport solutions and significantly increase the uptime of the vehicles. This comprehensive range of services forms the basis for the joint growth of customers, sales and service partners together with TII SCHEUERLE.

Photos



EuroCompact: Maximum flexibility with a new gooseneck and double telescopic deck – ideal for the efficient transport of heavy and oversized loads.



The SCHEUERLE K25 heavy-duty modules facilitate the efficient transport of oversized and extremely heavy loads.



From construction vehicles and large components through to transformers. The K25 system can be flexibly adapted thanks to its modular design.



Compact, strong, manoeuvrable: the SCHEUERLE SPMT PowerHoss makes an impressive case with its high load-bearing capacity and minimal space requirements.



SCHEUERLE SPMTs offer theoretically unlimited transport capacity through the electronic or mechanical coupling systems – perfect for large-scale projects in the energy, construction and mining industries.



Heavy-duty solution for bridge construction: SCHEUERLE SPMT platform transporters allow the safe and precise transportation of bridge elements – even when carrying extreme loads and dealing with demanding construction site conditions.



Strong basis for wind power: SCHEUERLE SPMT transporting crane weights required for the construction of high-performance wind turbines.



With SCHEUERLE Connect, TII offers digital telematics solutions for optimised fleet management, remote diagnostics and predictive maintenance – for maximum efficiency and vehicle availability.

Company profile

The TII Group, a company owned by the Heilbronn-based Otto Rettenmaier family, is a globally active manufacturer of heavy-duty and special vehicles and has a workforce of around 1,000 employees. The Group includes industry specialists, TII SCHEUERLE and TII KAMAG, and has production sites in Germany and India along with a worldwide organisation of sales and service partners. With innovative vehicles for manoeuvring and transportation operations, the TII Group, which is listed in the index of world market leaders, supports its customers in the transport and logistics sectors, building industry, plant engineering, air and space travel, shipbuilding, energy, steel and mining as well as yard logistics for realising a wide range of complex transport tasks. The TII Group holds the current world record of over 23,000 tonnes for the transportation of extremely heavy loads on vehicles. TII stands for the tradition of innovation, customer orientation and partnership as well as for high product quality and sustainability in heavy-duty mobility.

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