

**A new power package for the heavy-duty industry**

## **Hubtex unveils its latest 35 t platform truck with the lowest platform height**

Hubtex has developed a new freely manoeuvrable platform truck, type SFB. With a platform height of only 457 mm, the vehicle has a load capacity of up to 35 tons or 70 tons in its coupled operating mode. This feature makes the heavy-duty transporter particularly suitable for the shipbuilding and automotive industry, the aircraft industry and mechanical engineering. For the first time, Hubtex designed all vehicle components to function based entirely on electrical concepts and abandoned the idea of a hydraulic system. Assistance systems are extremely easy to implement. The first user in the aircraft industry benefits from this design and uses the SFB to transport entire aircraft fuselage parts and working platforms to the place of installation.

The platform transporter SFB is a self-propelled vehicle, and a remote control system is used to steer the truck. The vehicle uses an undercarriage with a multidirectional steering system. This design allows moving heavy and bulky segments of an aircraft in the tightest spaces easily. Due to the electronic control system of the steering, driving and lifting functions, the SFB offers far better automation options than the hydraulic design.

### **Customised equipment**

Due to its modular design, the platform truck can be customised to suit various customer-specific requirements. Based on the vehicle's modular principle, the customer can combine specific equipment and assistance systems. For the first-time user in the aircraft industry, this vehicle uses a stroke of 203 mm to raise and transport working platforms. For the transport, the operator places the platform in front of the load. Then the assistance system is used to position the load precisely, semi-automatically, and within millimetres: The vehicle uses sensors to determine its position and, based on this data, computes the optimum steering geometry for the specific manoeuvre.

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The exact positioning takes place fully automatically. Furthermore, numerous safety systems are available for the SFB series, e. g., personnel safety systems or protective strips.

#### **Total load capacity of 70 tons in coupled operating mode**

Another feature of the platform transporter is the option to use two vehicles in a coupled operating mode. For this, a payload – during its first use it is an aircraft segment – is carried from both vehicles simultaneously. The trucks move underneath the working platforms to which the loads are attached and link to each other using a Bluetooth control system. This creates a solid transportation system with a load capacity of 70 tons. During the transport, both platforms remain in constant communication and the remote control can be used to manoeuvre the vehicles.

#### **High energy efficiency**

Due to the electrical design of the vehicle, the energy consumption of the truck has been reduced significantly. This is based on the higher efficiency of the all-electric vehicle components as compared to hydraulic equipment. This design makes it easier to use the truck in oil-free environments, e. g., painting booths and explosion-proof areas. Another benefit of the all-electric vehicle design is the reduction of the vehicle's noise emission to a minimum.

#### **Overview of the vehicle's technical data:**

Type:	SFB
Load-carrying capacity:	up to 35,000 kg
Dimensions:	individually adjustable
Construction height, retracted:	only 457 mm
Construction height, extended:	660 mm
Lift:	203 mm

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**About HUBTEX Maschinenbau GmbH & Co. KG**

Hubtex is the internationally leading manufacturer of custom-made industrial trucks, sideloaders and special equipment for the transport of long, heavy, and bulky goods. The trucks are used to make the material flow and turnover of goods more efficient for manufacturing companies and commercial enterprises. Comprehensive consultation, worldwide service, and innovative strength are the hallmark of Hubtex. The company employs a staff of 320, and its corporate headquarters are located in Fulda, Germany. It provides the right solution to all its customers' requirements: from a standard solution to customer-specific designs and tailor-made special developments.

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