

Large-scale tipper semitrailers





Pan-European competency.

For 150 years, Schwarzmüller has been making commercial vehicles for specific demands. Our customers benefit from this experience by the value added to their purchases.

Schwarzmüller Group is a family-owned enterprise based in Austria yet active internationally. Considered one of today's leading European commercial vehicle suppliers the Group centres its currently 21 sites in Central and Eastern Europe.

Schwarzmüller provides not only a broad range of vehicles but also optimised solutions for almost any industry. More than once, the premium manufacturer and innovation leader has set the pace regarding payload and handling and is thus decidedly adding value to everyday applications.

Another factor that has been speaking in Schwarzmüller's favour for decades is the Group's extensive service offering covering the entire product lifecycle: Significantly extends for vehicle's useful life. Services include everything from maintenance and OEM spare parts availability to rentals and leasing.

Schwarzmüller Group produces at four sites: Special-purpose vehicles are made at its Upper Austrian headquarters. Standard and near-stand-

ard vehicles are made in the Czech Republic and Hungary, whereas skip container vehicles are made in Neustadt/Dosse. Our annual production output amounts to about 11,000 vehicles. Over 350 service centres located along the major European transport routes ensure that your vehicles will remain available for everyday use.

Since 1871, Schwarzmüller has been working to win and retain industrial innovation and technology leadership based on the competency and know-how of its employees. Lightweight design and its benchmarks set by Schwarzmüller for over 25 years is but one example.

Other areas include construction, metal structures or welding where Schwarzmüller periodically kicks off new developments or often is the first supplier using new vehicle manufacturing technologies. This is how turn innovation into mass production. Thus, if you are looking for smart vehicle solutions, special requirements or top quality, try Schwarzmüller to find an ideal partner.

Smart visionary vehicles.

A Schwarz Müller vehicle must successfully face various challenges. This is why construction makes the first difference.

Compared to towing vehicles, the role of commercial trailers will further gain in importance because, owing to current traffic densities as well as infrastructural and legal constraints, the number of towing vehicles will grow but slowly. The performance of both trailers and bodies therefore needs to increase. Schwarz Müller is driving this development with smart designs: Bodies and trailers provide many improvement options from payloads, longer useful lives and simplified handling to cost reductions.

A competent and innovative team of over 2,150 development, design and manufacturing personnel share Schwarz Müller's vision and turn it into smart vehicle. Latest innovations such as the POWER LINE semitrailer, the first walking floor weighing less than seven tons or the thermo-tipper trailer for transporting temperature-controlled asphalt are impressive examples of this spirit of innovation.

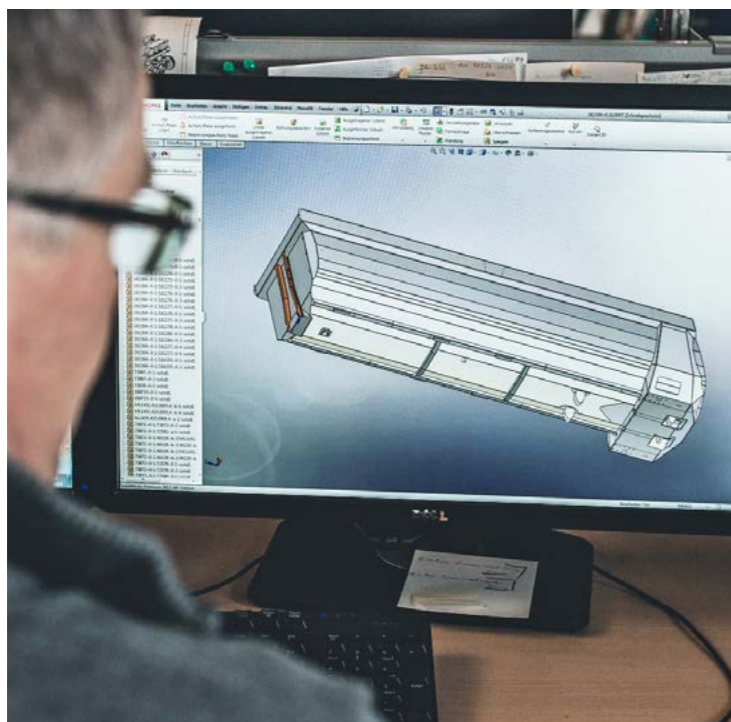
And quality is not an accidental feature of Schwarz Müller either: 3D design down to the

smallest detail and highly efficient quality assurance methods ensure that the vehicles are powerful performers in everyday practice.

A typical characteristic of Schwarz Müller is the specialised handling of steel and aluminium in production. It is one of fundamentals of the premium quality that Schwarz Müller vehicles are distinguished by.

The vehicles of the two Schwarz Müller and Hüf-fermann brands roll out to the construction sec-

tor, infrastructure companies, raw materials and reusables industries and short-distance & long haul forwarders. The enterprise is the only full-range supplier at premium level to make eight groups including a total of 150 different types of vehicles. Our more than 1,000 model variants satisfy almost any specific wish a customer may have. All of these vehicles share top-level quality, sturdiness, toughness and an optimised payload.



Smart solutions for strictest requirements.

The greatest score of Schwarz Müller's aluminium large-scale tippers is their sophisticated premium concept in line with future transport needs. They are a combination of lightweight design and sturdiness providing perfect tipping and on-road stability that results in powerful commercial vehicles of multifarious usage options for safe and sound haulage of goods and crops to their place of destination.



Cross-industry commercial vehicles.

Be it agriculture, shipping or long haul transport, bulk goods or general cargo, crops in agriculture and forestry or combined cargo – Schwarzmüller’s large-scale tippers are noted for their top-level in-transit flexibility and high performance in everyday use.



Schwarzmüller supplies two basic model variants in order to set the focus even more sharply on the specific requirements of every end user: A large-scale tipper vehicle fully made of aluminium leaves more space for your payload and ensures lower fuel consumption. The second variant is made with a highly stably steel

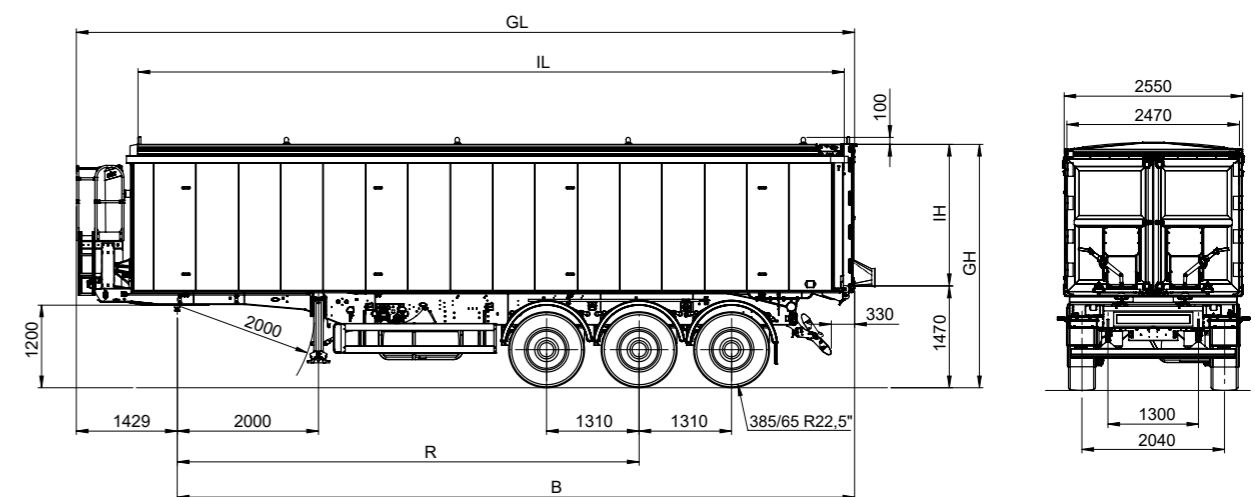
chassis. Steel designs are particularly suited to tough off-road conditions. And what is more, both variants come in various styles. Despite their diversity, all models share one feature: They achieve Schwarzmüller’s quality targets – optimised payloads at a low dead weight and top-level stability.

Overview of cargo and industries

- Shipping/long haul transport: Agricultural products (grain, beets), sand, slag, fertilisers, palletised goods, coal etc.
- Waste management: Broken glass, aluminium and steel scrap, refuse, used tyres, waste in general.
- Timber industry: Woodchips, bark, pellets, sawdust etc.

Optimised customisation. 100 percent accurate for customer use.

Configurations can have individual styles and be tailored to specific customer or industry needs. Many details of fitments and options as well as the use of components supplied by renowned manufacturer accommodate Schwarzmüller’s claim.




Fitments	Data									
wheelbase	2 x 1.31m									
techn. axle loads	3 x 9t									
fifth-wheel load	12t									
techn. gross weight	39t									
internal width	2.47m									
internal length IL	10.0m	10.5m	11.5m	13.3m						
Internal height IH	2m	2.2m	2m	2.2m	2.3m	2m	2.2m	2.3m	2.3m	2.5m
Volume	49m³	54m³	52m³	57m³	60m³	57m³	62m³	65m³	76m³	82m³
Total height TH	3.47m	3.67m	3.47m	3.67m	3.77m	3.47m	3.67m	3.77m	3.77m	3.97m
Tipping angle	45°	45°	45°	42°						
Total length TL	11.0m	11.5m	12.5m	14m						
wheelbase W	6.5m	7.0m	7.0m	7.8m						
B dimension	9.5m	10.0m	11m	12.0m						
paintwork	2-layer zinc phosphate primer, 2-component acrylic paint									

All values are approximate.
All above details apply to a basic vehicle configuration (not including optional extras)

Standard configurations of Schwarzmüller's large-scale tippers already set benchmarks for payloads, handling and usage times and provide many solutions that ensure superior performance in everyday use. Optional equipment details open up further possibilities of enhancing vehicle performance yet more. The icons tell you which property is supported by a specific piece of equipment.


KEY

- ⊖ Efficiency
- ⊕ Stability
- ⚠ Driver safety
- ⊕ Load securing
- ⊕ Added value




3 Parallel frame

An advantage Schwarzmüller vehicles have over many competing products is the parallel arrangement of both longitudinal frames as it provides more stability in every situation.




4 One-part tipper shaft

The tipper shaft is not only welded on the side but all the way along. What you get is enhanced stability while tipping.




5 Automatic hinged door/flap latch

A special linkage assembly automatically unlatches the hinged rear wall then tipping and also re-latches it when lowering the box.



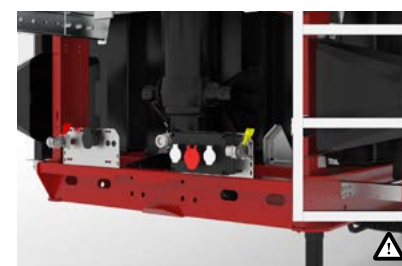
6 Foldaway underride protection

Standard underride protection models tip up to maintain the chassis clearance required for hopper feeding.



7 Single wheel mudguards

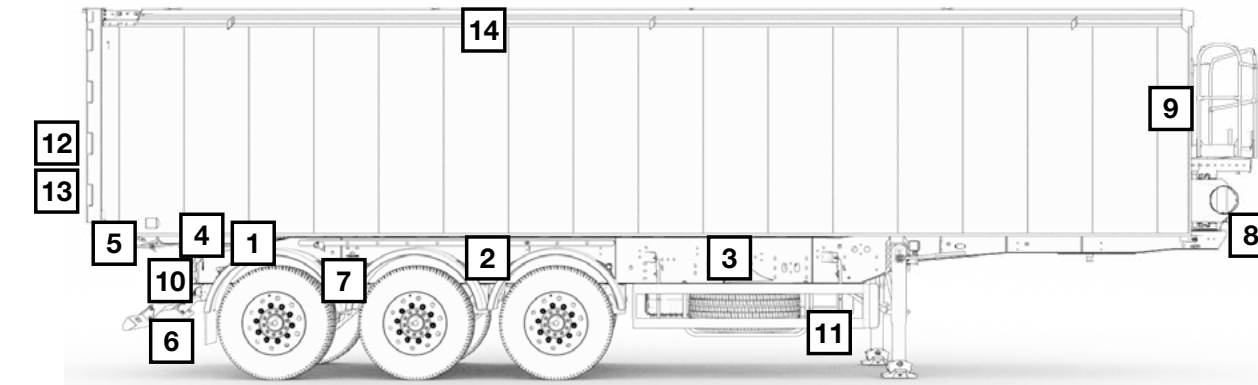
Schwarzmüller tipper semitrailers feature single wheel mudguards. They protect both other road users and the tipper box against road stone and dirt.




8 Brake and other light connections

All connections of brake and other lights, electrical and hydraulic equipment share the same compact and clearly arranged attachment at the vehicle front.


Standard configuration elements.






9 Four-point support

The press tipping mechanism is supported at four points (two at the top and two at the bottom). This substantially improves tipping stability compared to a three-point support.




10 Rear level gauge

The level gauge on the end plate is an easy-to-use means of checking the horizontal orientation to reduce the risk of accidents.




11 Side impact protection

Side impact protection improves the safety of other road users.




12 Rear wall

The centrally divided rear wall is also hinged. There is a grain feeder in every door leaf. Like the swing door latches, it is made of stainless steel.



13 Grain feeder

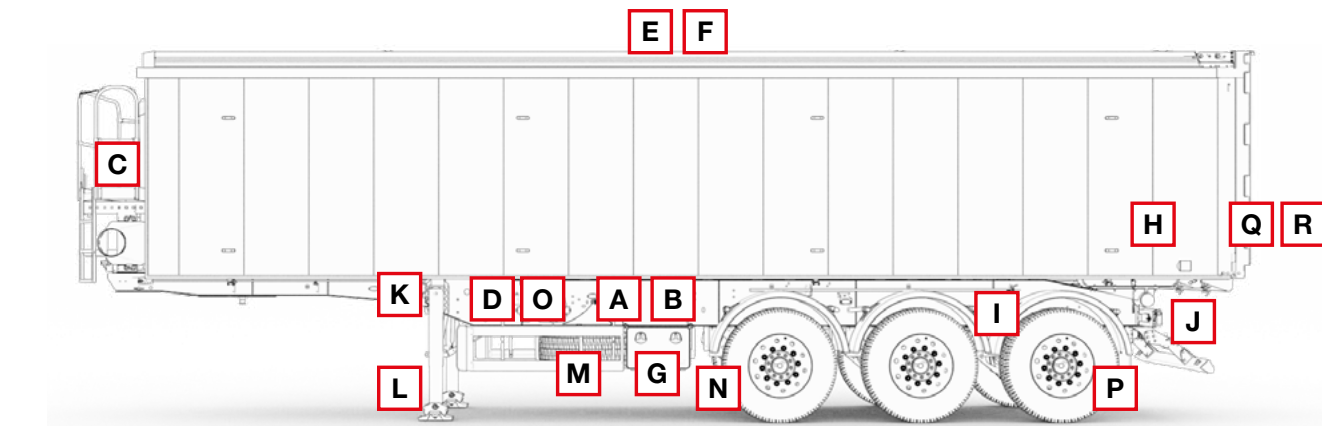
The large grain feeders and their user-friendly control levers can be mounted in various positions.

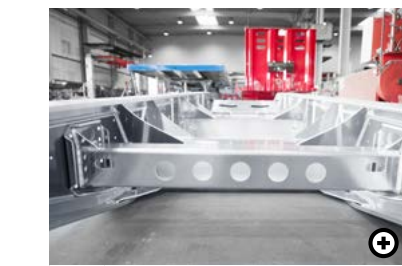


14 Cambered roof bar

The material-repellent roof bar are cambered to add stability to the tipper box. They can be pivoted to support different loads, and their inclination reduces potential water pooling.


Optional configuration extras.






A Aluminium frame

Compared to a steel frame, the optional aluminium frame reduces the weight by 250 kilogrammes.




B Steel frame

The lightweight and extremely stable steel frame is very robust and has been designed for demanding requirements in everyday use.




C Platform

Use the platform to climb the box, monitor the loading process and open or close the tarpaulin.




D Control panel

Arrangement shared by control elements such as brake release valves, lifting and lowering mechanism, trailer monitoring or lowering lock for easier use.




E Roller tarpaulin

A roller tarpaulin protects the cargo against the weather and a potential loss of material. It unrolls and rolls up from the platform and is secured by quick-action or tension belts.




F Schwarzmüller cover

Electrically operated and remote-controlled sliding roof that conveniently opens and closes without having to climb up to the platform.




G Toolbox

Toolboxes of various sizes can be optionally mounted on the vehicle.




H Aluminium wear plates

Reinforcements at the rear tipper box end reduce wear and therefore extend the useful life.




I Ladder

This climbing aid eliminates the hazards involved in climbing into and out of the tipper box for maintenance and cleaning.




J LED lights

Standard tail lamps are partly equipped with LEDs. Or choose a full-LED design variant.




K Working lights

Working lights enhance your field of vision in the dark or when objects cannot be seen properly.




L Support jacks

Schwarzmüller provides various options: Crank handle or folding jacks made of steel or aluminium.




M Spare wheel bracket

Solves the issue of transporting an on-board spare wheel.




N Retractable axles

Reduce tyre wear by automatically raising one or more axles on trips without cargo. Also support the vehicle with starting to drive.




O Information systems

This trailer control unit provides information, data and control such as tyre pressure monitoring, tyre wear details, control of retractable axles and many more.




P Steering axle

Available as a friction-controlled trailing axle. Improves trailer manoeuvrability and reduces tyre wear.



Q Discharge funnel

Removable discharge funnel - either parallel or conical - for accurately guiding the flow of material being discharged.



R Dust bag

Simple means of avoiding the formation of dust.

Best-in-class customer service.

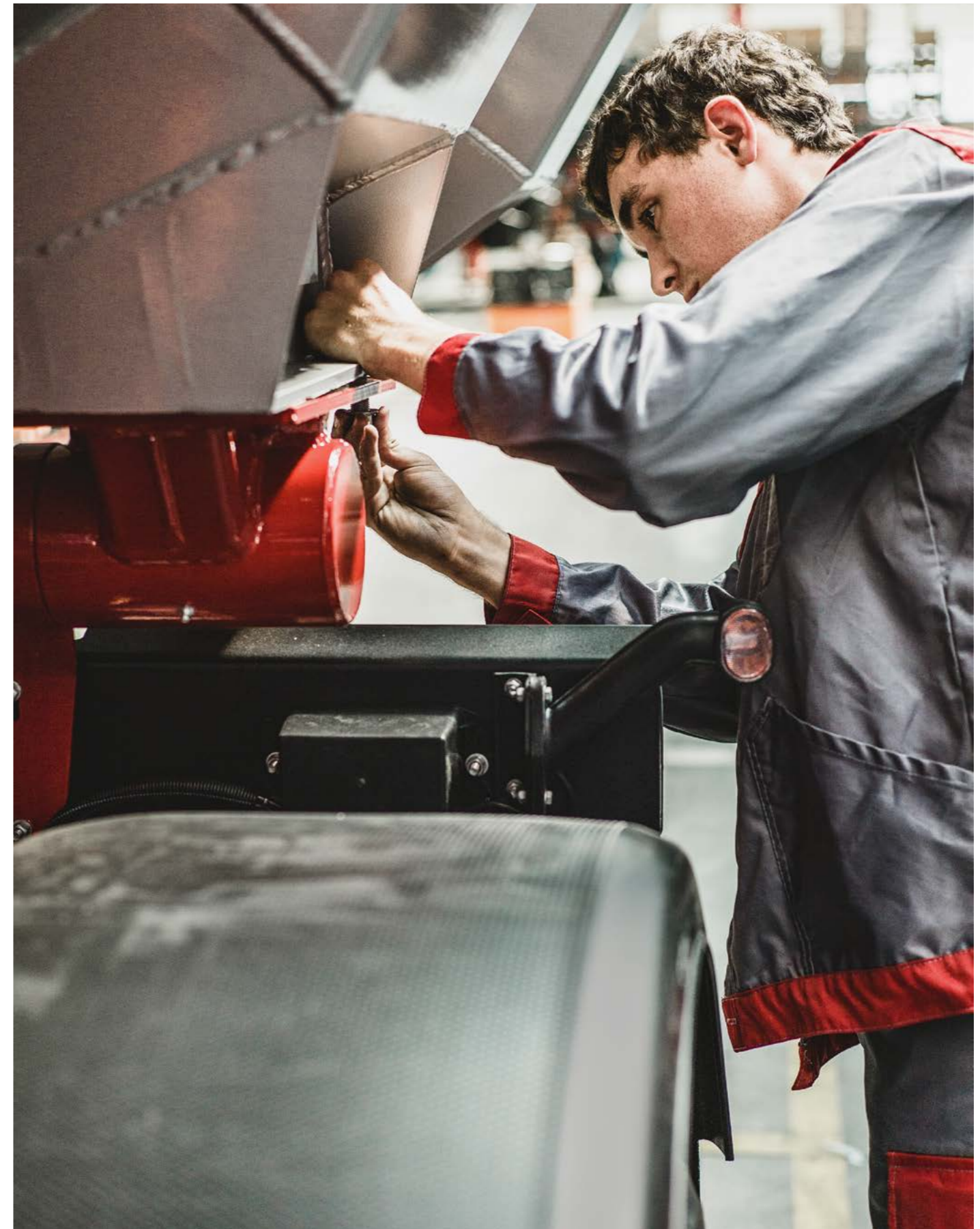
Single source for solutions matching any Schwarz Müller vehicle requirement.

Schwarz Müller benefits its customers not only with an extensive product portfolio but also with a complete system services offering. Customers can rely on pinpoint solutions throughout their vehicles' entire lifecycle - in currently 21 countries.

Our own network of garages plus 350 further service partners ensure that your Schwarz Müller will always be and remain a Schwarz Müller. Our experts know exactly how to best maintain and service a Schwarz Müller vehicle. An international logistics

network allows permanently available OEM spares to be supplied rapidly.

Schwarz Müller runs one of Europe's largest fleet of hired standard and special-purpose vehicles. It helps you buffer peak demands without having to do without premium quality. Also ask for Schwarz Müller's tailored leasing opportunities. Schwarz Müller's own Financial Service or an external partner's service with or without a service agreement: It is always up to the customer to opt for the perfect answer to their needs.



Close to our customers in 21 countries.

Schwarz Müller Group and our sales partners currently run own sites (production, sales and service) in 21 Central and Eastern European countries. This international network and its about 2,150 employees are the basis of suc-

cessful relations with customers of many industries requiring challenging transport solutions. It allows Schwarz Müller to penetrate the entire market region with new vehicles and a portfolio of services throughout the entire lifecycle of its products.



- **MANUFACTURING SITES**
Dunaharaszti (Hungary),
Freinberg (Austria),
Neustadt/Dosse (Germany),
Žebrák (Czech Republic)
- **SALES COUNTRIES**
Austria, Belgium, Bosnia,
Bulgaria, Croatia, Czech Republic,
Germany, Hungary, Italy, Latvia,
Lithuania, Luxemburg, Netherlands,
Poland, Romania, Russia, Switzerland,
Serbia, Slovakia, Slovenia, Ukraine



Intelligent full-range portfolio.

Schwarz Müller vehicles satisfy almost any transport need. From aluminium tank semi-trailer to centre-axle tipper trailers.

Schwarz Müller is proud of being able to supply its customers with smart vehicle for practically every application. Our eight product groups cover over 150 types of vehicles with more than one thousand model variants. All types of vehicles benefit from the know-how, core com-

petence and innovative power of the entire Group. They provide the perfect answer to the transport needs of the industries served. All Schwarz Müller vehicles stand for uncompromising premium quality to create real added value in everyday use.



Timber/stanchion vehicles

Timber



Tipper vehicles

Construction industry, agriculture, waste management



Body building vehicles

Construction industry, shipping/long haul transport, waste management



Platform vehicles

Shipping/long haul transport, construction industry



Walking-floor vehicles

Shipping/long haul transport, timber, waste management



Tank vehicles

Mineral oil



Low-loader vehicles

Construction industry



Container transport vehicles

Waste management

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