ULTRALIGHT-Platform Vehicles
Expertise. Europe-wide.

Schwarzmüller has been building commercial vehicles for specific challenges for more than 140 years. This wealth of experience guarantees our customer genuine added value.

The Schwarzmüller Group is an internationally active Austrian family-run company. Today it is regarded as one of the leading full-service providers of commercial vehicles in Europe, with sites in a current total of 21 countries - primarily in Central and Eastern Europe.

Schwarzmüller offers a wide range of vehicles and provides ideal solutions for a variety of sectors. As a premium manufacturer and driver of innovation, we set new standards in terms of payload and handling - for significant added value in day-to-day use.

Decades of experience in boosting vehicle service life significantly with an extensive range of services covering the entire product life cycle: reason enough to opt for Schwarzmüller. These services range from maintenance and the availability of original spare parts right through to rentals and leasing.

The Schwarzmüller Group’s production takes place at three production sites: our headquarters in Freinberg (Upper Austria) are where special-purpose vehicles are created. Standard vehicles without major modification are manufactured in the Czech Republic and Hungary. 8900 vehicles leave the production halls annually. More than 350 service support bases along the major European traffic corridors ensure the daily operational availability of vehicles too.

Thanks to the expertise and know-how of its staff, Schwarzmüller has steadily been acquiring the pole position for innovative and technological leadership in the industry since 1871. In lightweight construction, for instance, it has been setting benchmarks for more than 25 years.

Likewise, in construction, metal construction and welding technology Schwarzmüller churns out new developments on a regular basis and is, generally speaking, the premier provider of new technologies in vehicle construction. This is how we make innovations production-ready. So when it comes to intelligent vehicle solutions, specific requirements or optimum quality, Schwarzmüller is your ideal partner.
Intelligent Vehicles with Vision.

A Schwarzmüller must be able to deal with the most diverse of challenges. That is why the differentiation begins with the design phase.

The role of the trailer is set to take precedence over the tractor unit in future, given that there is little scope for growth in the number of tractor units in light of the prevailing traffic density as well as infrastructural and legal framework conditions. The performance capacity of trailers and attachments therefore needs to be improved, and Schwarzmüller is at the forefront of this trend with its intelligent designs. From increased payload to longer service life and easier handling through to cost savings, there are many possibilities in the field of superstructures and trailers.

Schwarzmüller is implementing its vision for intelligent vehicles with an innovative team of more than 2290 expert staff from the fields of development, design and production. Recent innovations, such as the ULTRA-LIGHT semitrailer, the first walking floor vehicle below seven tonnes or the thermo-insulated tipper trough for temperature-controlled asphalt transportation are just some impressive examples of our innovative spirit.

And Schwarzmüller leaves nothing to chance when it comes to quality either: 3-D design with accurate detail and highly-efficient methods of quality assurance guarantee vehicle performance in practice.

The specialist handling of steel and aluminium in production is standard at Schwarzmüller. This is among the factors which make Schwarzmüller vehicles so unique.

The key sectors that Schwarzmüller supplies with intelligent vehicle solutions include haulage/long-distance transport, the construction sector, the mineral oil industry, the chemical and agricultural sector and the forestry and waste manager industry. As the only premium-standard full-service provider the company manufactures a total of 135 vehicle models across eight categories. With up to 1000 model configurations, Schwarzmüller can make almost any customer-specific requirement a reality. What unites all the vehicles is their top quality, robust nature, load-bearing capacity and optimum payload.
Intelligent Solutions that Pay Off.

Robust in operation and light on the scales. This is the criteria that Schwarzmüller fulfils with its ULTRALIGHT platform semitrailers for the logistics sector and long-distance transport.

25 years of experience in lightweight construction has helped make this possible. The latest generation of Schwarzmüller ULTRALIGHT platform semitrailers market themselves as one of the most efficient options currently available to purchase for one’s own fleet. Transport costs are reduced and earnings potential increased under the formula of increased payload and less fuel consumption.

Compromise on robustness is eliminated thanks to the intelligent combination of light and robust elements in the trailer. This is achieved using highly-resilient Naxtra steel and thanks to the Schwarzmüller team’s unrivalled expertise in craft with this. Schwarzmüller sets the standard in this segment too, something which can be seen reflected in the configuration.

There are even concrete figures which corroborate this optimum performance: a fuel saving of two to three per cent as well as a payload increase of up to roughly 1,500 kilograms per use equate to an annual transportation cost reduction of up to seven per cent. Furthermore, the risk of overloading has been reduced by means of a substantial decrease in the net weight to 4,850 kilograms. Quicker set-up times, easier handling, additional safety features, but also the extended service life of a premium vehicle are all factors which add up to great benefit in use.
The Perfect ULTRALIGHT for Every Scenario.

Available in four different configurations, the vehicle can be adapted as required by application and increases efficiency with its individual nature.

Schwarzmüller offers tailored solutions for every area of application. The General Cargo model is the intelligent all-rounder semitrailer, enabling opening and closing of the side walls in under ten seconds with the optional quick-slider configuration. A considerable reduction in loading time is just one of the benefits. The Coil model, with special recess, is optimised for sheet metal transportation. The Paper model with recessed Joloda rails matches the requirements for paper roll transport exactly. The fourth model, the Mega trailer, offers enough space with an interior height of up to three metres to stack up to three cages, rendering it ideally suitable for use in the automotive sector.

The premium manufacturer also scores when it comes to safety with its range of configuration details. Numerous lashing, a perforated external frame and points racks for stanchions guarantee optimum cargo security whatever the operation.

The 3D advance on-screen design of the vehicle guarantees that customer requirements are incorporated to the last detail thanks to the automatic transfer of design dimensions onto the material. Schwarzmüller engineers draws on finite element calculations as well as experience from more than a million test kilometres and regular customer reports in the design of the lightweight frame.

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<table>
<thead>
<tr>
<th>Standard wheelbase</th>
<th>Special wheelbase</th>
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</thead>
<tbody>
<tr>
<td><strong>3-axle</strong></td>
<td><strong>3-axle</strong></td>
</tr>
<tr>
<td>Wheelbase:</td>
<td>1.31 + 1.31 m</td>
</tr>
<tr>
<td>Technical axle loads</td>
<td>3 x 9 t</td>
</tr>
<tr>
<td>Permissible axle loads</td>
<td>3 x 9 t</td>
</tr>
<tr>
<td>Permissible total weight</td>
<td>39 t</td>
</tr>
<tr>
<td>Technical total weight</td>
<td>39 t</td>
</tr>
<tr>
<td>Net weight</td>
<td>from 4.7 t</td>
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<tr>
<td>Permissible technical payload</td>
<td>up to 10.6 t</td>
</tr>
<tr>
<td>Interior length: General cargo, coil, paper</td>
<td>13.62 m</td>
</tr>
<tr>
<td>Interior height: General cargo, coil, paper</td>
<td>2.69 or 2.72 m</td>
</tr>
<tr>
<td>Interior height: Mega</td>
<td>2.94 m*</td>
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</tbody>
</table>

* a further 60 mm height adjustable

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22.5” standard

22.5” standard

19.5” mega

19.5” mega
Standard Equipment.

The ULTRALIGHT platform semitrailer sets new standards in safety and ease of handling for the driver – even in the standard configuration – with more than 20 different configuration details. Schwarzmüller demonstrates in these multiple details how the performance of vehicle components can be optimised with intelligent developments.

### LEGEND
- **Efficiency**
- **Stability**
- **Driver safety**
- **Added value**
- **Load safety**

### FEATURES

1. **Lightweight frame**
   - Materials using the flange element method and practical tests attest to its stability.

2. **Front guide in bar**
   - Ensures a vertical function of the side tarpaulin and minimal flex for the material frame. Tarpaulins are fixed without fixing tensioners at an angle.

3. **Domed cover**
   - Equipment with special omega profiles to prevent damage and compensate for the elongation at the top edge.

4. **Trike rollers**
   - Enables hanging up the side tarpaulins. Two vertical and one horizontal guide rollers enable easy handling of the tarpaulins.

5. **Extendible access ladder**
   - For climbing onto the loading surface. The top step is equipped with a small platform to enable stable tread.

6. **Semi-extendable door locking**
   - The locking mechanisms on the rear doors can be opened and closed with one hand.

7. **Divided rear door profiles**
   - The rear door profiles of the rear doors are symmetrically aligned, enabling easy opening and closing without tensioners at an angle.

8. **Perforated external frame**
   - The tarpaulin hooks are fixed to the external frame, ensuring a flush fitting even without fixing tensioners.

9. **External lashing bar**
   - Enables the vertical fixation of the side tarpaulins on the external frame. Guaranteed a flush fitting, even without fixing tensioners at an angle.

10. **Over-centre tarpaulin tensioners**
    - These special tensioners serve as a means of fastening the tarpaulins to the external frame and assist in securing the cargo.

11. **Lightweight frame**
    - Calculations using the finite element method and practical tests attest to its stability.

12. **One-handed door locking**
    - The locking brackets on the rear doors can be opened and closed with one hand.

13. **Extendible access ladder**
    - For climbing onto the loading surface. The top step is equipped with a small platform to enable stable tread.

14. **Rear wall with reinforcement**
    - The rear wall is reinforced on the interior to protect the rear wall during loading.

15. **600 mm toolbox**
    - Set-up materials such as tensioning belts, antislip mats or edge protectors can be stored securely here.

16. **Fixing device for rear doors**
    - Opened rear doors are fixed to prevent them from slamming shut unexpectedly.

17. **Sliding columns**
    - The simple and quick sliding to the side of the central column opens up the full loading width.

18. **Impact protection bumpers**
    - These rubber bumpers protect against damage during ramp drive-on.

19. **Impact protection bumpers**
    - The impact protection bumper protects against damage during ramp drive-on.

20. **Tension ratchet**
    - Allows quick tensioning of the side tarpaulins. These are attached at the rear on the left and right in the direction of travel.

21. **Leg support with thrust compensation**
    - The thrust compensation prevents the leg support from twisting while the parked semitrailer is lowering at the rear.

22. **Side guard**
    - Legally stipulated cyclist protection so nobody can fall in front of the wheels.

23. **Non-slip floor**
    - 28 mm-thick and suitable for a stacker axle load of 5,460 kg. A double floor is used in the paper model (28 mm + 12 mm) (stacker axle load: up to 7,000 kg).

24. **Underride protection**
    - Prevents vehicles from under-running the trailer.
A. Quick slider
The side tarpaulins can be opened or closed in 5 seconds with this opening system.

B1. Coil recess
The floor-integrated recess ensures the safe transportation of coil rolls.

B2. Cover for coil recess
The coil recess is covered in the General Cargo model.

B3. Section tube uprights for coil recess
These posts secure the coil roll towards the front and can be placed at several different points, meaning the rolls are always transported in the centre of gravity.

B4. Lashing points for coil tray
Extra lashing points for securing coils up to 4 t.

C1. Joloda rails
Joloda rails enable the easy loading and unloading of paper rolls with Joloda.

C2. Inlays for Joloda rails
For the General Cargo configuration the rails are covered/filled in with plastic insertion profiles.

C3. Wedge box (paper)
Securing wedges for paper roll transportation are stowed in a box integrated in the front wall. The driver can access this directly from the loading surface.

C4. Load securing wedges and Joloda rollers
The spindle-adjustable wedges guarantee load security for paper rolls. A Joloda roller enables the easy loading/unloading of paper rolls.

D. Steering axle
Reduces tyre wear and increases the manoeuvrability of the semitrailer.

E. Axle lift
Reduces tyre wear. Can be used as a temporary measure to increase the traction of tractor unit.

F. LED lighting
Fully fitted with LED lamps. An electronic ballast is fitted for automatic fault detection.
Optional Equipment.

Schwarzmüller offers a wide range of models with more than 30 optional configuration details. They make the vehicle even lighter, improve loading and unloading or increase cargo security. These are what transform the Schwarzmüller ULTRALIGHT platform semitrailer into what is probably the most efficient commercial vehicle of its class.

### LEGEND
- Efficiency
- Stability
- Driver safety
- Added value
- Load safety

### ConfIGURATIoN dETAILs
- **C** Lifting roof
  - The brief lifting of the roof facilitates the use of the entire interior height during the loading and unloading process.
- **G** Lifting roof
  - The lifting roof can be locked for a second time during the loading and unloading process.
- **H** Slat bracket
  - Disturbing side slats can be securely and conveniently stowed in this special holder.
- **I** Pallet box
  - This is hung up under the chassis frame, is ideally suited for the transportation of empty pallets and can also be used as a tool box for set-up material.
- **L1** Slatted railings
  - Fixing rails are recessed in the floor and on the roof for mounting upright locking bars, meaning load securing happens at the rear end.
- **L2** Steel slot-in slats with hook-up blocking slats
  - Instead of the V-slats, steel slot-in slats with a special perforated profile are built-in, which secure the load at the rear end.
- **M** Slatted cover on both sides
  - This option allows the cover to be slid backwards and not just forwards as in the standard model.
- **N** Cut-resistant tarpaulin
  - The side tarpaulin is equipped with a special steel fabric which prevents cuts from outside.
- **Q** Folding tarpaulin for wide loads
  - Excess lengths are factored into this tarpaulin. If this is not used, the excess tarpaulin is fixed on the inner side with a Velcro fastening.
- **R** Direct tensioners
  - Available as an alternative to over-centre tensioners, these fit flush the external frame and are quicker to open/close.
- **U** Portable forklift bracket
  - Forklifts can be carried during transportation with a special holder at the end of the vehicle.
- **V** Air pipe
  - Inflatable air bags on the roof create a slope over which rain water can run, preventing the formation of ice which could endanger other road users.
- **W** Aluminium rims
  - These lightweight rims reduce the tare weight of the vehicle by another 120 kg.
- **X** Butt roll bumpers
  - Moveable impact bumpers are used during ramp drive-on. The rollers prevent any damage which could occur during upward and downward movements during loading.
- **Z** Stowage compartment
  - An additional stowage compartment can be integrated between the longitudinal frame members at the end of the vehicle.
- **B1** Efficiency
  - Efficiency
  - Stability
  - Driver safety
  - Added value
  - Load safety
- **B2** Stowage compartment
  - Stability
  - Load safety
- **B3** Added value
  - Load safety
- **B4** Load safety

### Equipment
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Top for Customer Service.

Fitting solutions from a single source for all requirements associated with Schwarzmüller vehicles.

Alongside the wide product range offered by the full-service provider, with Schwarzmüller you also benefit from an extensive range of systems when it comes to service. Customers can rely on targeted solutions throughout the entire life cycle of their product - across 21 countries at that.

A company-owned network of workshops as well as an additional 350 service partners guarantee that a Schwarzmüller always remains a Schwarzmüller. Our specialists know exactly how best to maintain and repair Schwarzmüller vehicles. An international logistics network facilitates rapid supply with constant availability of original spare parts.

Schwarzmüller runs one of the largest European rental fleets with both standard and special vehicles. This allows peak use times to be covered without any need to forgo premium quality. Schwarzmüller also offers custom options for leasing. Whether with the Schwarzmüller Financial Service or an external partner, whether including service agreement or not: the customer decides which offer best meets his requirements.
Close to our Customers in 21 Countries.

With its own sites (production, distribution and service), as well as distribution partners, the Schwarzmüller Group is currently represented in 21 Central and Eastern European countries. This international network and our staff level of over 2290 are the basis for successful customer relations in a number of sectors that require sophisticated solutions for transportation. This allows Schwarzmüller comprehensive market penetration with new vehicles and a portfolio of maintenance services for the entire life cycle of customers’ products.

**PRODUCTION SITES**
- Freinberg (Austria),
- Budapest (Hungary),
- Zebnak (Czech Republic)

**DISTRIBUTION COUNTRIES**
Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Germany, Hungary, Italy, Latvia, Lithuania, Luxemburg, Netherlands, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Switzerland, Ukraine
Intelligent One-stop Shop Concept.

Commercial vehicles from Schwarzmüller are equipped for almost every challenge posed by transportation; from aluminium tank semitrailers through to central-axle tipping trailers.

Schwarzmüller takes pride in the fact that it can offer its customers intelligent vehicles for almost every area of application. In eight product groups there are more than 135 vehicle models, and over a thousand model configurations available. All vehicle models benefit from the know-how, core competencies and innovative ability of the entire group, allowing them to serve the transport requirements of a variety of sectors optimally. All Schwarzmüller vehicles stand without exception for uncompromising premium quality, helping them to create real added value in daily use.
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