



TRIGENIUS[®]

Economic. Reliable. Innovative.

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The new three-way tipper

Maximum performance in every dimension

With new technology, a new design and consistent operation, the MEILLER three-way tippers are heralding in a new era: MEILLER technology with lots of innovations is set to make your transportation tasks even more cost-effective, reliable and simple.

Innovative

The *TRIGENIUS*® from MEILLER is a completely redesigned three-way tipper: inspired by user experiences and wishes, the result is an outstanding three-way tipper that adapts perfectly to every application. The new *TRIGENIUS*® proves itself with maximum performance even under extreme conditions and remains safe to operate in any situation. This is made possible by new functions, the use of high-quality materials and many newly developed components.

TRIGENIUS®

A MEILLER *TRIGENIUS*®
D421 at work.





Cost-effective

The innovative design of the *TRIGENIUS*[®] reduces weight while the use of high-strength steel increases its loading capacity. The related increase in payload enables cost-effective operation in addition to saving drive power. A uniform operating concept across all series and ergonomically designed components shorten operating cycles and make for efficient operation and handling.

Reliable

Extremely high-quality materials and cutting-edge manufacturing technologies establish the prerequisites for a particularly robust and durable superstructure that offers optimum corrosion protection. All components have to undergo rigorous, harsh stress tests and have been put through their paces in operation.

The result is a three-way tipper that outstandingly meets every challenge: COST-EFFECTIVE. RELIABLE. INNOVATIVE.



Highlights

Innovations for the entire product range

All **TRIGENIUS**[®] new developments have been consistently implemented in all series – whether in the large or the small three-way tipper: the new styling, the modular design and the uniform, innovative operating concept ensure efficiency and safety during operation.

TRIGENIUS[®]

New design

- Modern M-JET design
- Optionally double-plated side walls (as of D212-D428)
- Smooth inner and outer surfaces reduce soiling and make labelling easier

Resilient surfaces

- Optimum corrosion protection thanks to CDP primer-coated subframe and top coat in RAL 7021
- Subframe and tipper body are cavity-sealed (D202-D212)
- Hydraulic system and mounting parts in surface of treated parts



4-axle chassis D421



3-axle chassis D316

Optimised design

- Particularly corrosion-free, perforated subframe
- Easy retrofitting of accessories and mounting parts
- Dirt-resistant hydraulic cylinder support

Sturdy load securing

- More lashing eyes and new subdivision for better lashing options
- Sturdy lashing eyes in walls with a retention force of up to 2 t per lashing point
- Folding lashing eyes that are flush with the floor with a retention force of up to 8 t per lashing point
- Electric sliding tarpaulin whose cable tensioners can be dismantled from the ground and stored on the front wall

Efficiency

- Greater payload thanks to weight-reduced design
- The optional i.s.a.r.-control radio remote control makes operation easier, saves time in typical operating cycles, particularly in combination with the sequence control, and increases safety

Comfort and operating safety

- Bordmatik opens and closes particularly quietly with flashing LED strips at the front and at the rear
- Ball-type tipping parts with ergonomic locking pins, non-interchangeable
- Flexible and modular load relief system for one-person operation with drop type walls
- Control lamps in the cab for all pneumatic and hydraulic locks
- Lock block for top-hinged and drop type side walls



Heavy-duty 2-axle chassis D212

Light-duty 2-axle chassis D205

Transporter class D202

Product range

More versatile than ever before

The **TRIGENIUS®** is more versatile than ever before. The portfolio includes vehicles from 2 to 5-axle chassis and a nominal load of 2 to 28 tonnes. Customise your three-way tipper with a varied range of tried-and-tested accessories. The modular design and the use of bolting technology enable easy retrofitting.

For professional gardening and landscaping: diverse transportation tasks for private gardens or even extensive grounds.



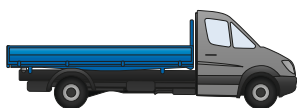
D210

Three-way tipper

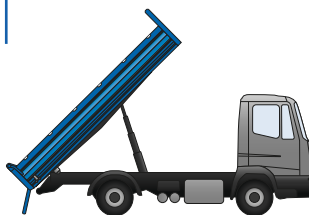
Number of axles
2, 3, 4, 5 axles

Max. nominal load
2 to 28 t

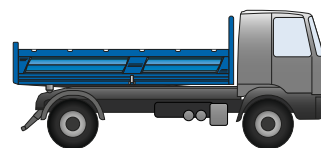
D202 to D204 transporter class



D205 to D208 Light-duty 2-axle chassis



D210 to D212 Heavy-duty 2-axle chassis



2 axles

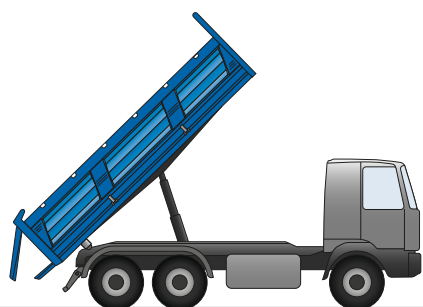
Type	D202	D204	D205	D208	D210	D212
Nominal load	2 t	4 t	5 t	8 t	10 t	12 t
Techn. permissible GVW	3.5 - 4.6 t	5 - 7.2 t	7.49 - 8 t	9 - 14 t	15 - 16 t	18 t
Tipper body length	2,600 - 3,400 mm	2,700 - 4,000 mm	3,000 - 4,200 mm	3,000 - 4,200 mm	3,200 - 4,800 mm	3,600 - 4,800 mm
Tipper body width	2,000 mm	2,000/2,200 mm	2,000/2,350 mm	2,200/2,350 mm	2,380 mm	2,450 mm
Side wall height	400 mm	400 mm	400/500 mm	500/600 mm	500 mm	600 mm
Floor material	1.5 mm HBW 450	1.5 mm HBW 450	2.5 mm HBW 450	2.5 mm HBW 450	4.0 mm HBW 450	4.0 mm HBW 450
Front wall material	1.5 mm BS 70	1.5 mm BS 70	1.5 mm BS 70	1.5 mm BS 70	2.5 mm HBW 450	2.5 mm HBW 450
Side wall and tailgate material	1.5 mm BS 70	1.5 mm BS 70	1.5 mm BS 70	1.5 mm BS 70	2.5 mm HBW 450	2.5 mm HBW 450



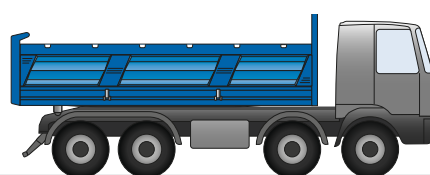
For municipal and road operations.
Communities and cities have to perform diverse transportation tasks.

For building and road construction:
Diverse goods have to be transported – from construction materials and bricks to excavated material from construction sites.

For civil engineering, gravel and earthmoving companies that transport both light material and heavy bulk material, rubble and boulders.



D316 to D428/D528 3- and 4-axle chassis



	3 axles		4 axles	
Type	D316	D321	D421	D428
Nominal load	16 t	21 t	21 t	28 t
Techn. permissible GVW	26 - 28 t	33 t	32 - 35 t	41 t
Tipper body length	4,400 - 5,100 mm	4,400 - 5,100 mm	5,400 - 6,200 mm	5,400 - 6,200 mm
Tipper body width	2,420 mm	2,420 mm	2,420 mm	2,420 mm
Side wall height	800 mm	800/1,000 mm	900/1,000 mm	1,000 mm
Floor material	5.0 mm HBW 450	5.0 mm HBW 450	6.0 mm HBW 450	6.0 mm HBW 450
Front wall material	3.0 mm HBW 450	3.0 mm HBW 450	3.0 mm HBW 450	3.0 mm HBW 450
Side wall and tailgate material	4.0 mm HBW 450	4.0 mm HBW 450	4.0 mm HBW 450	4.0 mm HBW 450

Perfection in every detail

Optimised and extended functions for practical use



NEW: Ball-type tipping parts for one-hand operation

Safe to operate ball-type tipping parts

- All TRIGENIUS® models have new ball-type tipping parts with ergonomic locking pins and can be operated with one hand.
- The locking pins are diagonally plug-proof and prevent incorrect operation.

Flexible and practical load securing

- Lashing eyes in walls hold up to 2 t and floor-level folding lashing eyes even up to a traction of 8 t.
- The front wall offers practical fixtures and storage options for work equipment.
- Uniform operating concept for all side and rear wall locks.



Side and front wall lashing eyes also for transporters and light 2-axle vehicles

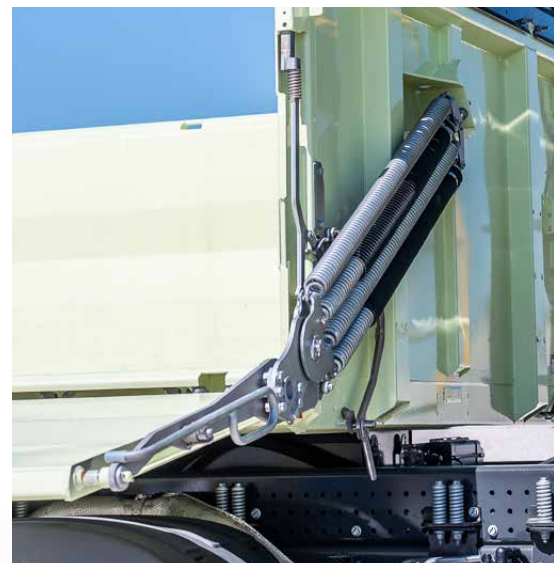
Lashing eyes in floors now even more accessible



Optimised MEILLER Bordmatik



NEW: Bordmatik safety light



Folding with spring load relief system

Convenient and safe side wall operation

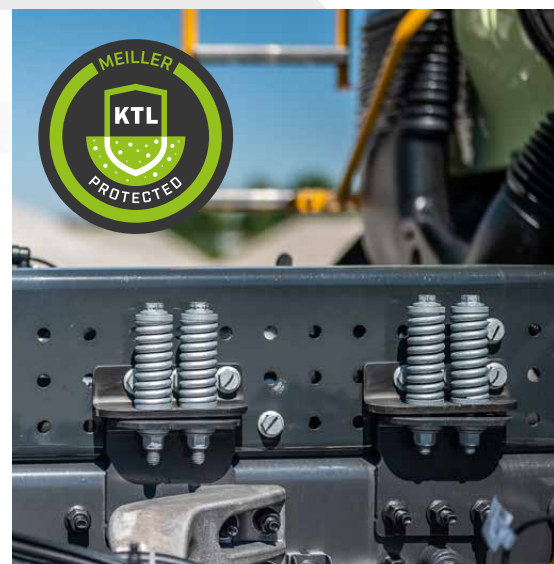
- The MEILLER Bordmatik opens and closes the side wall particularly gently and quietly.
- The flashing LED light "Bordmatik Safety Light" at the side ensures operation on both sides.
- A load-relief system with a spring mechanism makes manual opening and closing by one person easier for the top-hinged and drop type side wall.

Optimised design combines advantages

- Only one powerful hydraulic telescopic cylinder on the 4-axle chassis.
- Optimum corrosion protection thanks to CDP primer-coated subframe and top coat in RAL 7021.



NEW: Only one hydraulic telescopic cylinder on the 4-axle vehicle



NEW: Perforated subframe

TRIGENIUS® D202 to D204

Transporter class

Sturdy steel tipper with low dead weight thanks to its weight-optimised design – for flexible use in the transporter class. Maximum comfort due to a low overall height and lots of space for stowing tools.

	D202	D204
Nominal load	2 t	4 t
Techn. permissible GVW	3.5 - 4.6 t	5 - 7.2 t
Tipper body length	2,600 - 3,400 mm	2,700 - 4,000 mm
Tipper body width	2,000 mm	2,000/2,200 mm
Side wall height	400 mm	400 mm
Side wall	Drop type, left and right	
Tailgate	Top-hinged and drop type	



Illustrations similar, may contain optional equipment.

Highlights

High transport volume:

- Side wall height 400 mm
- HBW 450 floor plate

Sturdy load securing:

- Tie rod system for fast load securing of bulky items
- Tailgate with integrated deflector plate for protecting the ball-head coupling when tipping backwards
- Retractable 2 t lashing eyes in floor as per DIN EN 12642
- Lashing eyes in walls for securing higher loads
- Integrated tarpaulin hooks
- Storage cabinet behind the cab with space for tools and bulky items (optional)

Comfort and operating safety:

- Low overall height for easy loading
- Practical access steps on the side wall and tailgate (hinged on the tailgate)
- Ergonomic locks

- ✓ Standard functions
- ⊕ Optional functions



TRIGENIUS®





TRIGENIUS® D205 to D208

Light-duty 2-axle chassis

Versatile and agile three-way tipper – for virtually any terrain. Ideally suited for transporting bulky items for construction site set-up, for municipal applications and for transporting bulk goods.

	D205	D208
Nominal load	5 t	8 t
Techn. permissible GVW	7.49 - 8 t	9 - 14 t
Tipper body length	3,000 - 4,200 mm	3,000 - 4,200 mm
Tipper body width	2,000/2,350 mm	2,200/2,350 mm
Side wall height	400 mm	500 mm
Side wall	Drop type, left and right	
Tailgate	Top-hinged and drop type	



Illustrations similar, may contain optional equipment.

Highlights

High transport volume:

- HBW 450 floor plates
- Plug-in aluminium attachment walls for transporting higher articles (optional)
- Extending tailgate rest for transport of long material (optional)

Optimised design:

- Hydraulic oil tank with special baffle plates and vibration-dampened fastening system
- Side wall material light and particularly wear-resistant

Sturdy load securing:

- Tie rod system for fast load securing of bulky items
- Permanent leak tightness thanks to seamless (maze-like) side wall limit stop principle
- Lashing eyes in walls
- Integrated tarpaulin hooks
- Retractable 2 t lashing eyes in floor as per DIN EN 12642
- Storage cabinet behind the cab with space for tools and bulky items (optional)

Comfort and operating safety:

- Bolted crane mounting (simple mounting and high durability)
- Access steps on the side wall and tailgate (retractable on the tailgate)

✔ Standard functions

⊕ Optional functions



TRIGENIUS® D210 to D212

Heavy-duty 2-axle chassis

Three-way tipper with 2,450 mm-wide cargo area for highly universal transportation options: from bulk material to construction site cabins. Optionally with double-plated side walls for heavy-duty use.

Type	D210	D212
Nominal load	10 t	12 t
Techn. permissible GVW	15 - 16 t	18 t
Tipper body length	3,200 - 4,800 mm	3,600 - 4,800 mm
Tipper body width	2,380 mm	2,450 mm
Side wall height	500 mm	600 mm
Side wall	<ul style="list-style-type: none"> - Drop type - Top-hinged and drop type - Side wall with Bordmatik 	
Tailgate	<ul style="list-style-type: none"> - Top-hinged and drop type - Hydraulic or pneumatic drop type with/without top-hinged tailgate 	



Illustrations similar, may contain optional equipment.

Highlights

High transport volume:

- 2,450 mm interior width for transporting lightweight construction site cabins

Optimised design:

- New hydraulic oil tank with special baffle plates and vibration-dampened fastening system
- Weight-optimised design
- Double-plated side walls for heavy-duty use (optional)

Sturdy load securing:

- 6 x lashing eyes in front wall (2 t)
- Retractable lashing eyes in floor (4 t, 8 t in the corners) (optional)
- Lashing eyes in walls
- Deposit rack
- Front wall elevation

Comfort and operating safety:

- Bordmatik with flashing LED strips and control lamp in the cab, opens and closes quietly and gently (optional)
- Sequence control (in combination with i.s.a.r.-control only) (optional)
- Hydraulic or pneumatic tailgate (optional)

✔ Standard functions

⊕ Optional functions



TRIGENIUS® D316 to D428

3- and 4-axle chassis

The robust tippers with maximum payload thanks to their weight-optimised design and high-strength steel – for maximum revenue. Particularly stable superstructure that stands out through safe operation.

Type	D316/D321	D421/D428
Nominal load	16 t/21 t	21 t/28 t
Techn. permissible GVW	26 - 28 t/33 t	32 - 35 t/41 t
Tipper body length	4,400 - 5,100 mm	5,400 - 6,200 mm
Tipper body width	2,420 mm	2,420 mm
Side wall height	800/1,000 mm	900/1,000 mm
Side wall	<ul style="list-style-type: none"> - Top-hinged - Top-hinged and drop type - Side wall with Bordmatik 	
Tailgate	<ul style="list-style-type: none"> - Top-hinged - Hydraulic or pneumatic drop type with top-hinged tailgate 	



Illustrations similar, may contain optional equipment.

Highlights

High transport volume:

- 2,420 mm interior width for transporting pallets

Optimised design:

- New hydraulic oil tank with special baffle plates and vibration-dampened fastening system
- Aluminium side walls with optional lashing eyes in walls (optional)
- Double-plated side walls for heavy-duty use (optional)

Sturdy load securing:

- 6 x lashing eyes in front wall (2 t)
- Permanent leak tightness thanks to seamless (maze-like) side wall limit stop principle
- Tarpaulin systems
- Lashing eyes in walls (optional)
- Retractable lashing eyes in floor

Comfort and operating safety:

- Hydraulic/pneumatic tailgate with top-hinged upper part
- Easily removable top-hinged tailgate
- Ball-type tipping parts with one-hand lever at the rear, can be repositioned using the balls; tipping forks at the front
- Hydraulically folding rear underrun protection
- Lock block for ruling out operator errors (drop down and top hinge functions can no longer be operated simultaneously; Bordmatik cannot be opened with the sliding tarpaulin closed)
- Sequence control (in combination with i.s.a.r.-control only) (optional)
- Top-hinged and drop type side walls with improved load relief (optional)



MEILLER quality promise

Highest product quality for long lifetime

Product quality

- For more than 170 years, MEILLER has been distinguished by its excellent product quality and high innovative strength.
- Your MEILLER tipper is designed for many years of hard use.
- The new cathodic dip coating (CDP) provides a long-lasting primer for the steel components and offers robust protection against corrosion and stone chipping.

Development quality

- Quality assessments in every development and production phase form the basis for a functionally reliable product.
- Close exchange of information with the vehicle manufacturers ensures the optimal interaction between vehicle and superstructure.
- Rough road testing and salt spray tests confirm a resilient, durable superstructure.

*MEILLER hydraulic system developed
and manufactured in Munich*

Hydraulic system quality

- The original MEILLER hydraulic system is the heart of all MEILLER products – developed and manufactured in Munich.
- The hydraulic system made of high-quality materials ensure minimum dead weight and the best payloads with optimum cylinder sizes.
- The MEILLER hydraulic components are wear-resistant, dirt-resistant and practically maintenance-free.

Service quality

- Our experienced and expert service team minimises your downtime.
- The dense service network, a mobile factory customer service as well as worldwide customer service centres ensure quick assistance.
- With sophisticated logistics, we deliver original parts to the desired location in the shortest possible time.



MEILLER tipper

Economic. Reliable. Innovative.

Company

- MEILLER stands for durable, practical and technically sophisticated tipper superstructures that can be adapted to individual requirements with many options.
- MEILLER employees work every day to make the products safer to use, practical and convenient to use in practice.
- MEILLER relies on state-of-the-art manufacturing processes throughout the entire process chain and continuously optimises product development in order to always keep one step ahead of increasing quality standards.
- Steel components, hydraulic systems and control technology come from a single source at MEILLER – the unique compatibility of the components speaks for the efficiency of the MEILLER products and their long lifetime.



Sustainable into the future

With certified environmental management according to DIN 14001:2015 and EMAS, MEILLER has committed itself to the careful and efficient use of resources.



Every MEILLER employee is proud of the high quality of all MEILLER products.



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