



FAYMONVILLE

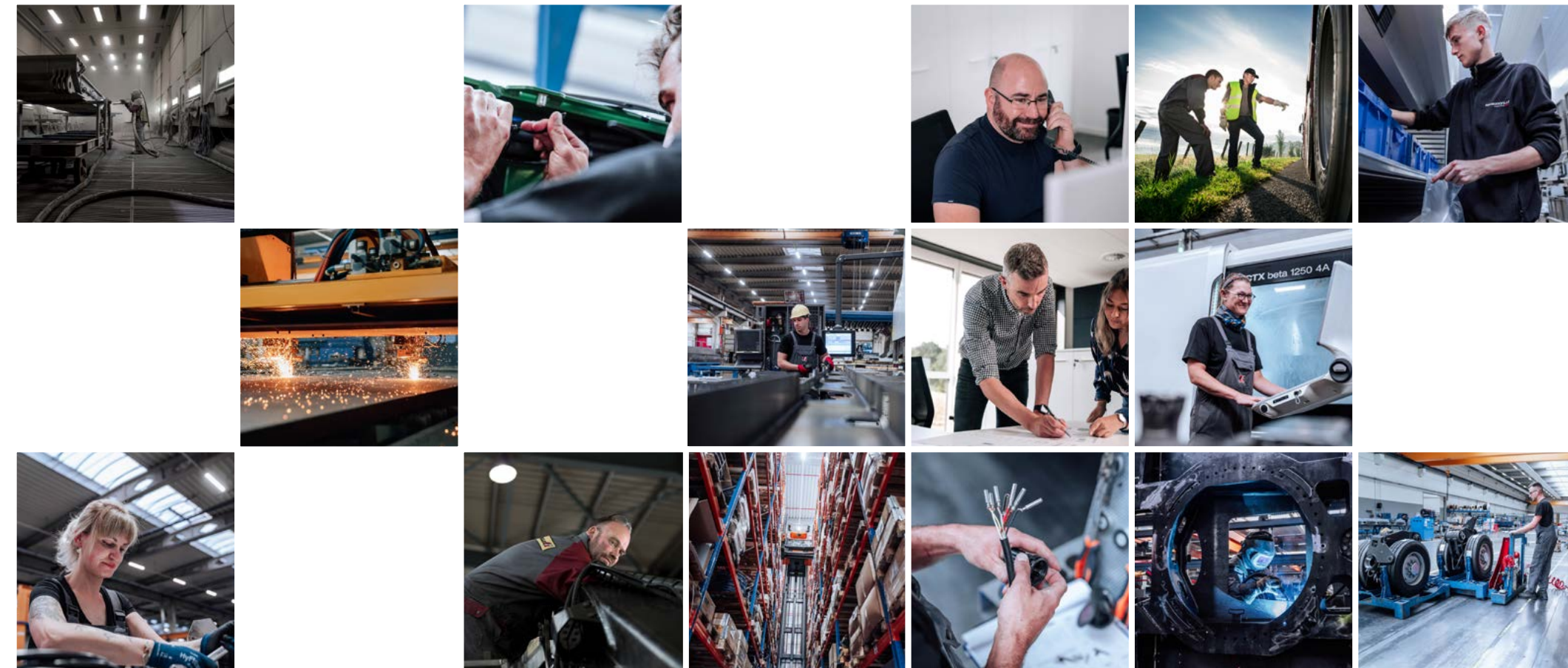
TRAILERS TO THE **MAX**



POWER YOUR PROJECTS!

MODUL**MAX**





With our three vehicle brands, MAX Trailer, Faymonville and Cometto,
we are the worldwide leading full-range manufacturer of vehicles for heavy load and special transport.
The semi-trailers, low-loaders, modular vehicles and self-propelled trailers that we produce are used to transport anything exceptionally heavy, long, wide or tall!
Our brand portfolio includes transport solutions for payloads from 15t to 25,000t ... and beyond.
The excellent facilities in a production space of 175,000 m² form the foundation for qualitatively unique, high-tech products.



TRADITION & VISION

As a seventh-generation family business, we've evolved from a small forge in Belgium to the industry leader. Alexander Fickers took the helm as CEO of the Faymonville Group in 2024. The Faymonville family remains actively involved and continues to shape the company.

WE OFFER SOLUTIONS

Thanks to an outstanding mix of experience, flexibility and know-how, we provide sophisticated solutions for any transport challenge. From development to production, we offer the necessary expertise every step of the way.



HIGHEST QUALITY 100% IN-HOUSE

We place our trust in our optimized production processes, the high-end infrastructure and machinery park and our team of highly skilled employees. As a company committed to quality, we strive to uphold the highest standards to ensure the excellence of our products.



FAST SPARE PARTS DELIVERY

Faymonville Logistics ensures a reliable supply of spare parts to keep your vehicles operational. Our team of experts is ready to provide knowledgeable guidance and ensure rapid delivery of the components you need.



INTENSIVE DRIVER TRAINING

We offer a customized driver training for your specific vehicle, both practical and theoretical. Drivers receive documents and user manuals in their language, along with self-explanatory visual materials. It's a comprehensive support package to ensure drivers are familiarized with their new vehicle efficiently.



ALWAYS & ANYWHERE 24/7

The Faymonville Service team ensures worldwide support, 24/7. The Faymonville Group is proud to offer the industry's most sustainable and comprehensive customer service.



Service Hotline
+32 80 64 01 88





RISE TO THE CHALLENGE

Heavy haul projects reach ever more impressive dimensions. Transporting loads weighing hundreds or even thousands of tons requires safe, reliable and powerful modular systems.

We constantly pioneer the implementation of new transport technologies, developing unique and cost-effective solutions in a fast changing world. Let's rise to the challenge together to move the heaviest and most diverse loads, even in the remotest parts of the world.

Our modular trailer range has been designed for all kinds of transport operations under the most challenging climatic conditions. From broiling hot 50 °C in the desert to ice cold -40 °C in Siberia. With our knowhow and expertise, we develop economical transport solutions to ensure your success!

MADE FOR BIG THINGS



PRODUCT RANGE

The Faymonville ModulMAX is a series of combinable transport modules with 2-6 axle lines for off-road and on-road operations. The vehicles are **equipped with 215/75 R17.5" twin tyres** and are available in a **basic width of 3,000 mm**.

G-MODUL



S-MODUL



NEW

„3 in 1“ PRODUCT

TM

Trailer
Mode

M

Mechanical
steering

AP

Assist-Propelled
Mode

M

Mechanical
steering

SP

Self-Propelled
Mode

M

Mechanical
steering

E

Electronic
steering

AP

M

SP

M

TM

M

TM

Trailer
Mode

M

Mechanical
steering

AP

Assist-Propelled
Mode

M

Mechanical
steering

SP

Self-Propelled
Mode

M

Mechanical
steering

E

Electronic
steering



TECHNICAL FEATURES

The ModulMAX trailer range includes technical characteristics that are put to multi-disciplinary use for G-Modul and S-Modul. The proven pendle-axle technology is used within the three available trailer modes: Trailer Mode (TM), Assist-Propelled Mode (AP) and Self-Propelled Mode (SP). The steering system of these trailers varies between the electronic and the mechanical principle.



UNIQUE ON THE MARKET

+ THE WIDEST HEAVY DUTY RANGE

The one and only manufacturer with such a wide range of modular trailers in its portfolio.

+ SEAMLESS INTEROPERABILITY

The variety of combination options with vehicles from other manufacturers as well as the user-friendly operating concept makes the ModulMAX a guarantor of flexibility and economy for the most complex heavy-duty transport jobs.

+ MOTORIZED AXLES - ON AND OFF!

The motorized axles of the product type ModulMAX AP-M can be engaged and disengaged at any speed. Operators don't need to stop the convoy for this maneuver. It is a new and unique feature in combination with the high traction.

+ FULL RANGE OF ACCESSORIES

Whether low beds, various drive systems or project planning software - we offer the optimal equipment for your challenge.

+ HIGH-LEVEL MANUFACTURING

The robot welded chassis is subject to an additional processing of all interfaces on an ultramodern CNC drilling machine.

+ THE BEST CORROSION PROTECTION ON THE MARKET

For long-term surface protection, the Faymonville Group relies on a fully coordinated and meticulously optimized surface treatment system. In addition to this, there is MAXProtect+, which is by far the best protection currently available in the industry.

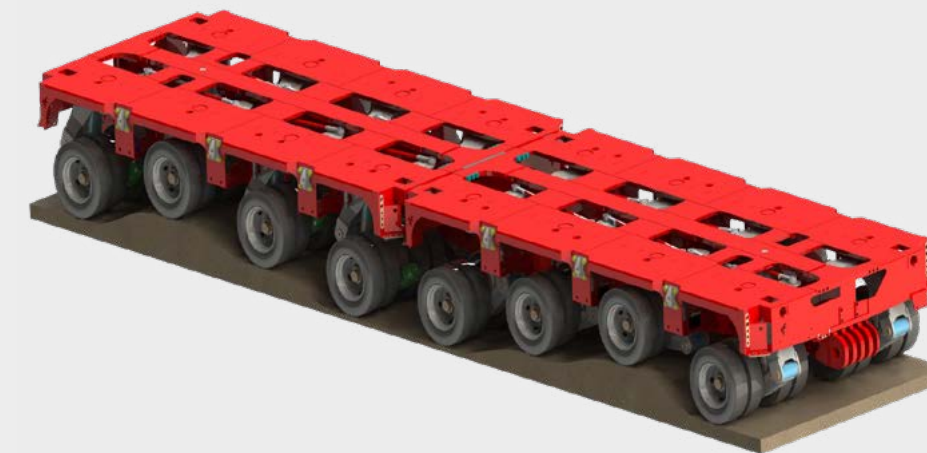


PROVEN PENDLE-AXLE TECHNOLOGY

Ideal load distribution

Each wheel set is equipped with a hydraulic suspension cylinder. Depending on the individual transport application, the cylinders will be connected to 3- or 4-suspension groups. This combination of cylinders ensures that the weight is distributed equally over all axles. Road inclinations (lengthwise and crosswise) can easily be compensated due to the considerable stroke of these cylinders.

- + Cargo-friendly & gentler vehicle handling
- + Ideal load distribution
- + No excessive axle loads
- + Safe due to hose rupture valves



Increased transport safety

One axle line consists of 2 independent wheel-sets with pendle-axles. The pendle-axle can manage considerable ground unevenness due to its swinging bearing. It ensures optimum ground contact and equal tyre pressure under the most difficult circumstances and keeps the platform almost horizontal.

- + Transport safety due to optimal ground contact
- + Optimal utilization of permissible axle loads
- + Road-friendly



YOUR CHOICE BETWEEN THREE DIFFERENT MODES

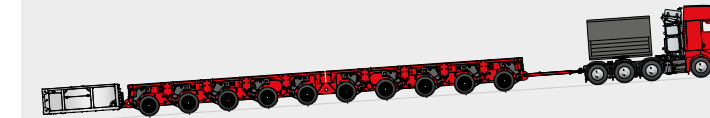


TM

TRAILER MODE

The trailer mode is the most common way to work with modular platform trailers in on-road and off-road applications. One or more trucks pull or push the trailer by means of a drawbar system or a gooseneck.

In drawbar mode, the trailer can be assembled in a 2-file configuration, or even side-by-side in a 3-file (1+1/2) or 4-file (1+1) configuration. The trailer mode allows travel speeds of up to 80 km/h. Therefore, it is the most suitable solution for long transport distances.



AP

ASSIST-PROPELLED MODE

The assist mode system is a highly efficient drive system that is used both on-road and off-road. For on-road transport, the wheel motors provide a high driving force on demand and can thus replace additional tractors.

Thus, if necessary, tractive force peaks can be bridged when starting off or when driving uphill. From a certain speed the drive axles switch to a freewheel mode and can be pulled at up to 80 km/h. If the speed drops, the axles switch on again automatically if desired.

**NEW &
UNIQUE**

The combination of the traction, the high speed and the possibility to engage and disengage the motorized axles of the modules at any speed is an absolute new feature on the market.



SP

SELF-PROPELLED MODE

Application for in-plant and off-road transports; mechanically or electronically steered modular vehicle combinations.

The drive axles are then supplied by Power Pack Units and generate driving forces that can move loads of several thousands of tons. The entire control of the vehicle is done by a single remote control. All vehicle combinations from 2-file, 3-file and 4-file up to open compound vehicle groups are possible with this drive concept.

MECHANICAL STEERING SYSTEM M

up to
+/- 60°



Every modular bogie has at least one integrated hydraulic steering system. The customer can choose between standard- or counter-steering. The steering is controlled either by a gooseneck or by a drawbar.

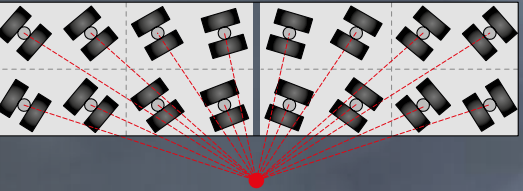
The freely accessible steering rods provide for easy and safe adaptation of steering angles. Remote steering by wireless or remote control is part of the basic configuration. Compared to knuckle steered axles, the driving height on pendle-axles has no impact on the axle track.

Available for

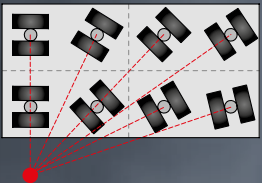
TM **AP** **SP**

Steering configurations

Multi-directional steering configuration



Tail steering



Configuration possibilities with mechanical steering

TM



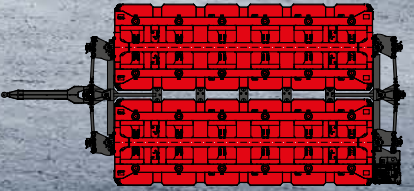
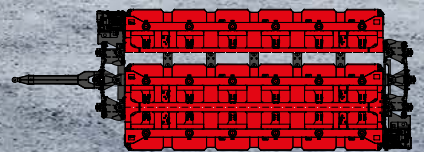
AP



SP



2-file, 3-file & 4-file combination



ELECTRONIC STEERING SYSTEM E

PROVEN
TECHNOLOGY
BY **COMETTO**
PROPELLED TO THE MAX



The ModulMAX modules can also be provided with an electronically controlled steering system. The steering motors are operated by proportional solenoid valves and directly managed from the central system.

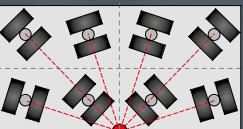
The corresponding position of the suspension units is continuously verified by an encoder with respect to the steering joystick position. It is possible to select several steering modes. In this way, it is very simple to work in tight areas.

Available for

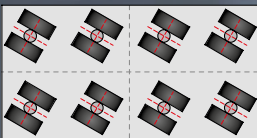
SP

Steering configurations

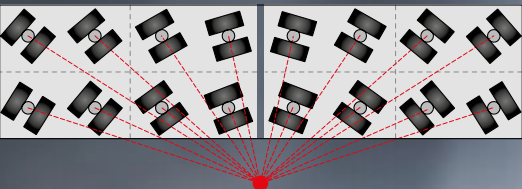
Normal drive



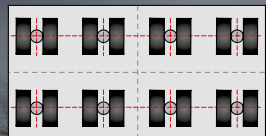
Diagonal drive



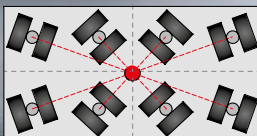
Multi-directional steering configuration



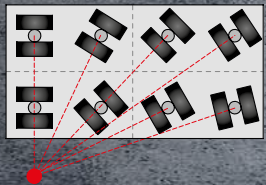
Lateral drive



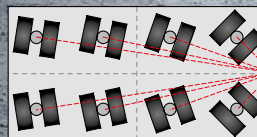
Circular drive / carousel



Tail steering



90° normal drive



2-file & 4-file combination



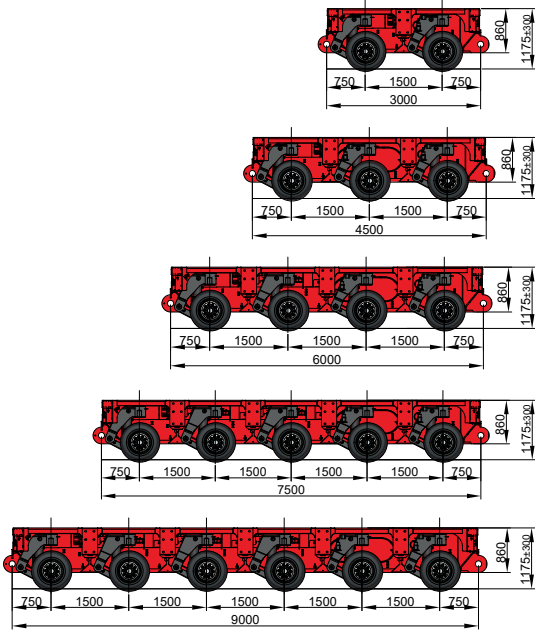
Open combinations





MODULMAX AT A GLANCE

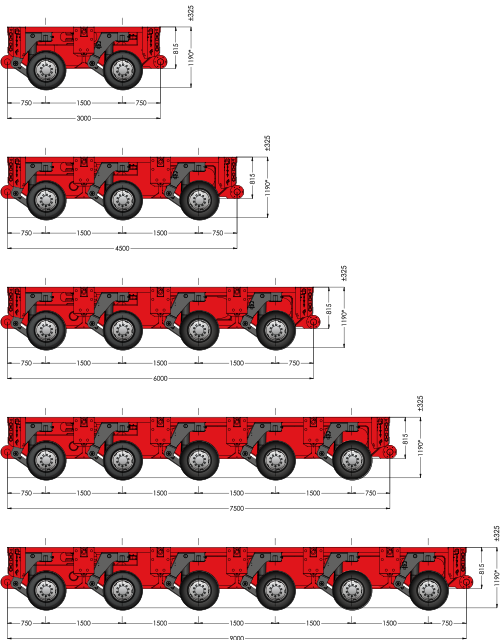
The ModulMAX trailer range offers seamless interoperability with existing modular trailer types on the market. The product range for on-road and off-road operations is composed of two different product types: G-Modul and S-Modul. This variety of possibilities gives the customer back his freedom of choice.



	G-MODUL			
	TM M	AP M + SP M	SP E	
STROKE	600mm	650mm	650mm	650mm
STEERING ANGLE	-60°/+60°	-55°/+55°	-55°/+55°	-135°/+135°
AXLE LOAD /AXLE LINE	45.0t	45.0t	45.0t	45.0t
PLATFORM WIDTH	3,000mm	3,000mm	3,000mm	3,000mm
RUNNING HEIGHT	1,175mm	1,175mm	1,175mm	1,220mm
2 AXLE LINES				
MODEL	Modul-G-SL-M-2-TM			
DEAD WEIGHT	7.5t			
PAYLOAD UP TO	82.5t			
3 AXLE LINES				
MODEL	Modul-G-SL-M-3-TM			
DEAD WEIGHT	10.7t			
PAYLOAD UP TO	124.3t			
4 AXLE LINES				
MODEL	Modul-G-SL-M-4-TM	Modul-G-SL-M-4-AP	Modul-G-SL-M-4-AP	Modul-G-SL-E-4-SP
DEAD WEIGHT	14.0t	16.8t	16.8t	16.5t
PAYLOAD UP TO	166.0t	163.2t	163.2t	163.5t
5 AXLE LINES				
MODEL	Modul-G-SL-M-5-TM			
DEAD WEIGHT	17.5t			
PAYLOAD UP TO	207.5t			
6 AXLE LINES				
MODEL	Modul-G-SL-M-6-TM	Modul-G-SL-M-6-AP	Modul-G-SL-M-6-AP	Modul-G-SL-E-6-SP
DEAD WEIGHT	20.7t	25.0t	25.0t	24.2t
PAYLOAD UP TO	249.3t	245.0t	245.0t	245.8t

Technical features up to 0.5km/h

	S-MODUL			
	TM M	AP M + SP M	SP E	
650mm	650mm	650mm	650mm	650mm
-60°/+60°	-55°/+55°	-55°/+55°	-140°/+140°	
36.0t	45.0t	45.0t	45.0t	
3,000mm	3,000mm	3,000mm	3,000mm	
1,190mm	1,190mm	1,190mm	1,220mm	
Modul-S-ST-M-2-TM				
7.2t				
64.8t				
Modul-S-ST-M-3-TM				
10.2t				
97.8t				
Modul-S-ST-M-4-TM	Modul-S-ST-M-4-AP	Modul-S-ST-M-4-AP	Modul-S-ST-E-4-SP	
13.3t	16.8t	16.8t	16.5t	
130.7t	163.2t	163.2t	163.5t	
Modul-S-ST-M-5-TM				
16.6t				
163.4t				
Modul-S-ST-M-6-TM	Modul-S-ST-M-6-AP	Modul-S-ST-M-6-AP	Modul-S-ST-E-6-SP	
19.7t	25.0t	25.0t	24.2t	
196.3t	245.0t	245.0t	245.8t	





OPTIONS

The ModulMAX trailer range is rounded off by a full range of options and accessories to obtain the best configuration for any type of load. Customers can choose between different low bed types, spacers, turntables, decks, drawbars and goosenecks. Two types of power pack units are available for the AP and SP mode along with some more advanced options such as a blade lifter, a SyncBox and user-friendly software tools.

ACCESSORIES

Available for

TM **AP**

1 Gooseneck

2 Drawbar

Available for

TM **AP** **SP**

3 Wind tower adapter

4 Hydraulic ramps

5 Telescopic intermediate beams

6 Rear lighting with underride-protection and warning boards

7 Turntables

8 Spacer

9 Load securing bolster

Push-rods

Register coupling

Available for

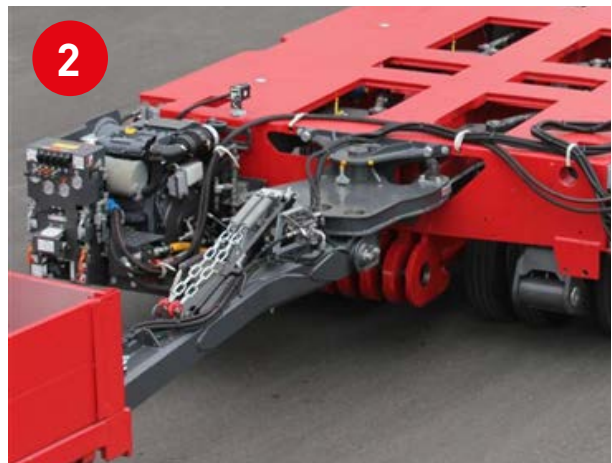
AP **SP**

10 Remote control

Available for

SP

11 Night light kit



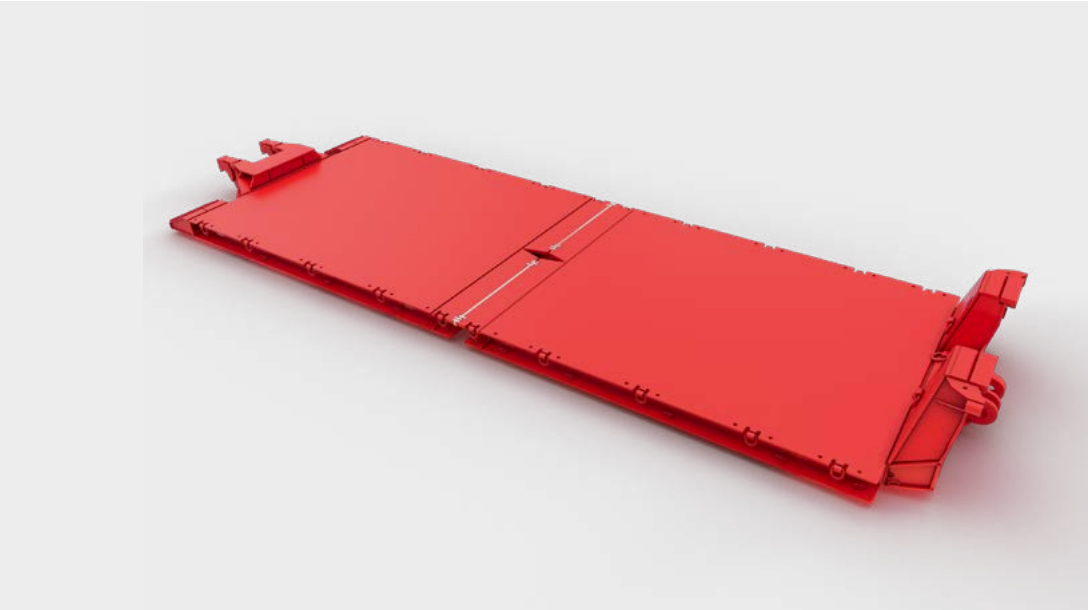
LOWEST BEDS FOR HIGHEST LOADS

Available for **TM** **AP** **SP**

Dropdecks are available in various designs and payload classes. The customer can choose from a large range of versatile and standardized dropdecks or even go for a tailor-made solution that precisely meets his needs.

Faymonville is your reliable partner for the design and construction of your new dropdeck, even in connection with all other brands of modular trailers.

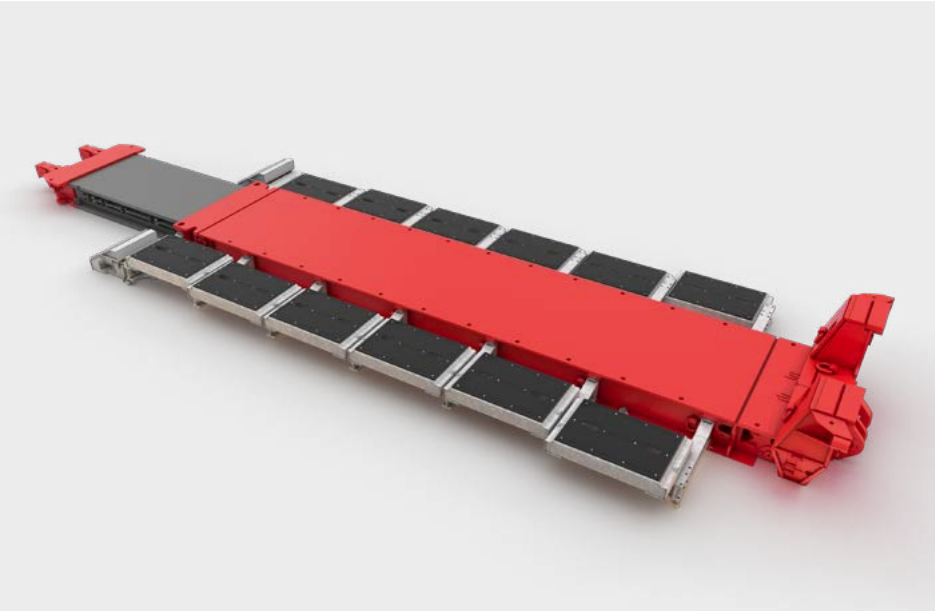
Each dropdeck is delivered with calculation software, an open tool to survey axle loads and bending moments.



Moving a transformer? Use a flatbed deck

Flatbed decks offer a steel surface over the entire width of the low bed and are ideally suited for the transport and lateral unloading of transformers. The reinforced loading platform enables maximum point loads. The FBX decks are available in overall heights of 160 – 300 mm.

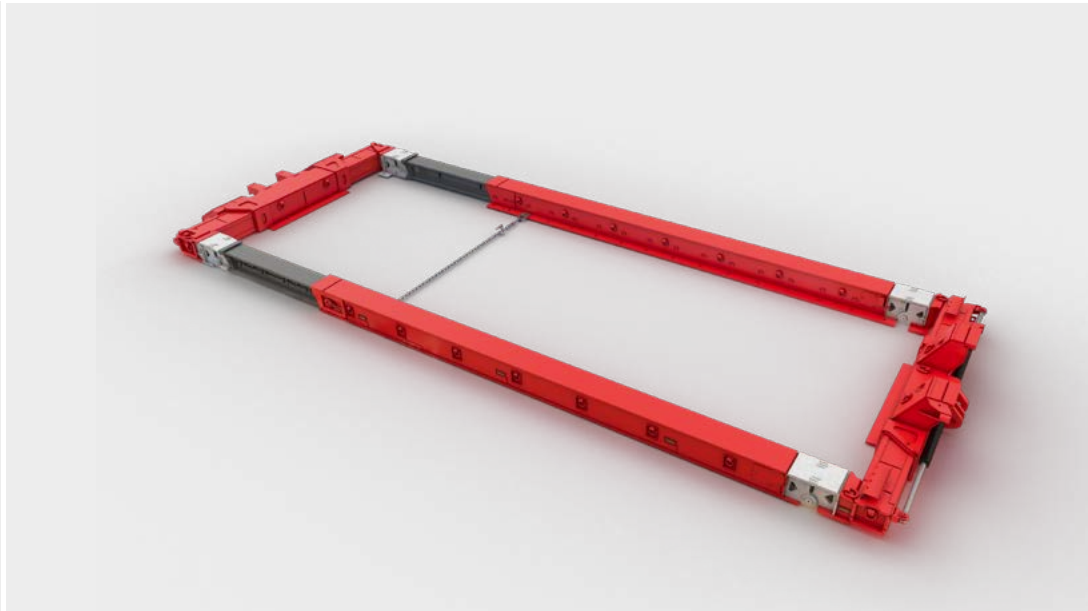
- + Minimum beam height for maximum load height
- + Low center of gravity for safe transport conditions
- + Flexible possibilities for loading process



Moving heavy machinery? Use an excavator deck

Tracked vehicles can be transported in a hanging position by utilizing an excavator deck with minimum ground clearance. Such low beds can also be telescopically extendable, which makes them versatile for many applications. The booms and timber boards can also be widened without much effort and positioned to two different loading heights. Timber boards are also available for lateral loading where necessitated by tight maneuvering space.

- + Quick and easy loading process
- + Perfect load distribution
- + Outriggers for more transport options



Moving a vessel? Use a perimeter deck

As opposed to low beds with outer beams and fixed floor, the floor is removable in this version. This allows high industrial tanks and vessels to be transported with an optimized loading height.

- + Allows height limitations on the transport route to be passed
- + Length and width adjustable
- + Low design, extremely sturdy and reliable

HIGH-PERFORMANCE POWER PACK UNITS

Available for **AP** **SP**

The ModulMAX series offers the possibility to install two sizes of high-performance Power Pack Units: SMALL and LARGE. Each Power Pack Unit is provided with the layout for connection of single module or a combination of several modules.

It is possible to synchronize various Power Pack Units in the case of several power groups being installed at the same time on different trailers that make up the same convoy.

General advantages:

- + Maximum flexibility – only one kind of engine for small and large Power Pack Unit
- + Power Pack Unit interchangeability between mechanically and electronically steered modules
- + Smooth running in the toughest conditions
- + Full control
- + Compliant with all emission rules

PROVEN
TECHNOLOGY
BY **COMETTO**
PROPELLED TO THE MAX

Advantages large Power Pack Unit:

- + Twin engine Power Pack Unit
- + Possibility to use only one engine when necessary for less consumption
- + Redundant system

AXLE LINES (MAX)	40		18	
DRIVEN AXLE LINES (MAX)	16		8	
POWER PACK UNIT	LARGE		SMALL	
DIMENSIONS (LxWxH)	4800x2990x900mm		4000x2990x900mm	
DEAD WEIGHT	8 t		6 t	
PERFORMANCE	418 kW	388 kW	209 kW	194kW
EMISSION STANDARD	EU stage V US Tier 4f	EU stage IIIA US Tier 3	EU stage V US Tier 4f	EU stage IIIA US Tier 3
BRAND	Cummins		Cummins	



THE „3-IN-1“ SOLUTION

Available for **TM** **AP** **SP**

The product type ModulMAX AP-M stands for a modular trailer that combines the supporting assist mode with the independent self-propelled mode. The ModulMAX AP-M is by far the strongest available on the market with up to 810 kN of traction force from one Powerpack Unit.

The motorized axles of the modules can be engaged and disengaged at any speed. An important advantage because operators don't need to stop the convoy for this maneuver, which is the case with other brands. It is an absolutely unique feature in combination with the high traction.

NEW & UNIQUE

Additionally, all the motorized axles have powerful and above all homologated brakes. You can use up to 6 driven axles in the assist mode and 12 driven axles in the self-propelled mode, no one offers more possibilities.

The modules build up on a dual-link patented suspension system offering a better spread of the forces and bending moments. The stroke of 650 mm and 45 tons payload capacity per axle line highlight the strengths.

The ModulMAX AP-M offers seamless interoperability and can be combined with conventional 3,000 mm wide Faymonville ModulMAX modules and other brands. Users can couple it also with common equipment such as lowbeds, spacers, drawbars etc. The Power Pack Unit used for this mechanically steered module is identical with the one used within the electronically steered vehicles.

PROVEN
TECHNOLOGY
BY **COMETTO**
PROPELLED TO THE MAX

The ModulMAX AP-M with twin tyres and a width of 3,000 mm enables a unique flexibility in use. There are three different versions depending the application fields of the operator:	
Endurance	For on-road long distance heavy-duty transports where it is important to assist the tractors with a constant pulling force at high speed.
Standard	For universal heavy-duty transports and an approximate 20/80 ratio between on-road and in-site missions. This version allows a perfect combination between pulling force and working speed.
High Torque	For heavy-duty transport missions when it is necessary to get a high pulling force and an assist speed of 20 km/h is sufficient.

AP-M					
AP-M typology	Version	Max pulling force	Max pulling speed	PPU	
				418/ 388KW	209/ 194kW
ENDURANCE	12x8	404	40	x	
	12x8	472	40	x	
STANDARD	12x6	337	40	x	
	8x6	337	40	x	
HIGH TORQUE	8x4	202	40	x	
	12x8	540	20	x	
	12x6	405	20	x	x
	8x6	405	20	x	x
	8x4	270	20	x	x



THE STRONGEST BLADELIFTER ON THE MARKET

Available for **TM** **AP** **SP**

The blade lifter with the product name BladeMAX is available with three different load capacities: 650, 800 and 1000 mT.

All these products move the latest mega wind blades safely and efficiently in wooded or built-up areas, in narrow streets or in mountainous regions.

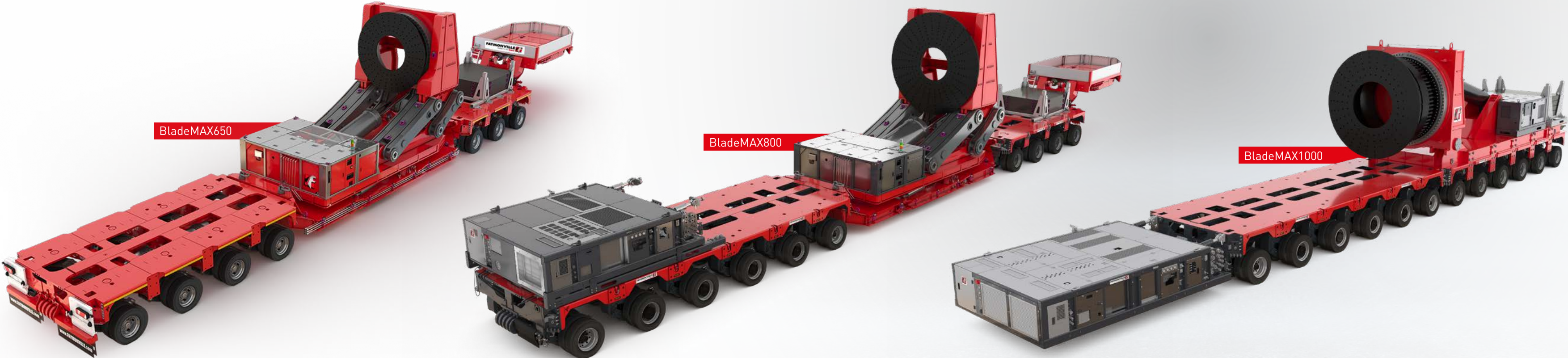
On the „last mile“ to a wind farm, the BladeMAX650 and the BladeMAX800 can raise the blade up to almost 90°. This allows to keep the blades on public area and not to overpass private ground.

And the BladeMAX1000 with its 1000 mT load capacity is by far the strongest available on the market!

In combination with the patented Cometto SCS stability system, operators achieve maximum safety even with 2-file combinations.

- + Highest performance on the market!
- + Perfect stability & maximum safety
- + Flexible operating system

**PROVEN
TECHNOLOGY
BY COMETTO**
PROPELLED TO THE MAX



SYNCBOX

PROVEN
TECHNOLOGY
BY **COMETO** 
PROPELLED TO THE MAX

Available for

SP

Allows you to connect **modular trailer types with vehicles from other manufacturers!**

With the SyncBox as an electronic intermediate point, the vehicles can be used together. Whether coupled or in an open combination: the combination is controlled **with a single radio remote control!**

- + THE alternative for modular coupling
- + Independent freedom of choice
- + Easy use with one remote control

CALCULATION SOFTWARE

Available for

TM

AP

SP

The planning process for transportation projects often looks the same. First, the load is determined, then the corresponding vehicle is chosen. This approach raises many questions: how does my trailer need to be combined in order to transport the cargo? And where exactly do I position it on the vehicle?

Direct answers are initially less likely to be found out in the yard than in front of the computer. Because that's where Faymonville's own software allows different scenarios to be simulated prior to actual implementation. The goal: verify in theory what is even possible in practice!

All relevant vehicle data such as axle loads, bending moment usage, tipping limits, etc. are calculated and made available to the user. Thus, theory and practice can be compared quickly and easily with each other before commencing with the transport in order to ensure a safe transport process.

TELEMAKHOS - Remote Diagnostic System enables the monitoring of vehicles, receiving assistance from Faymonville technical service as well as the transmission of software updates. The system can be connected to the remote backup system via land line (ADSL), satellite phone or mobile connection (3G/4G/5G).

- + Intuitive and user-friendly
- + Digital support for heaviest tasks
- + Making transport safe, efficient and profitable

Ultra-modern infrastructure. Optimally networked locations.

4 Production facilities in Luxembourg, Poland, Belgium, Italy

100% in-house

More than
1,400 employees

Production capacity of
3,000 vehicle units per year

175,000 m²
production area

Worldwide distribution throughout
125 countries

LUXEMBOURG - LENTZWEILER



BELGIUM - BÜLLINGEN



POLAND - GOLENIOW



ITALY - BORGO SAN DALMAZZO



ACTIVE CORROSION PROTECTION

ALWAYS INCLUDED AT FAYMONVILLE!

Stress in use and the effects of weather put the steel construction of every vehicle to the test. Faymonville counters these challenges with its MAXProtect+ surface protection. This principle is applied as standard with every vehicle. Every stage – from shot-blasting and the full-surface metallisation with zinc/aluminium to the final coating – is carried out by Faymonville in-house, further developed and tested on the basis of meaningful parameters.



Experience all steps here

More protection is impossible!

- + After a salt spray test lasting 2,400 hours, there is no red rust on a one millimetre deep scratch made beforehand
- + 100 percent active protection against red rust
- + High zinc content provides for a self-healing effect
- + High edge protection due to mechanical anchoring
- + Optimal adhesion properties of the coating system in case of chain impacts or stone chips
- + The best protective effect in the automotive industry

The MAXProtect+ process sequence:

- 1 MACHINE BLASTING
 - 2 MANUAL BLASTING
 - 3 ZINC SPRAYING BY ELECTRIC ARC
 - 4 JOINT SEALING
 - 5 2-COMPONENT TOP COAT
 - 6 CAVITY SEALING
- OPTIONAL: SEAWATER-RESISTANT COMPLETE PRESERVATION

www.faymonville.com



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