





























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.

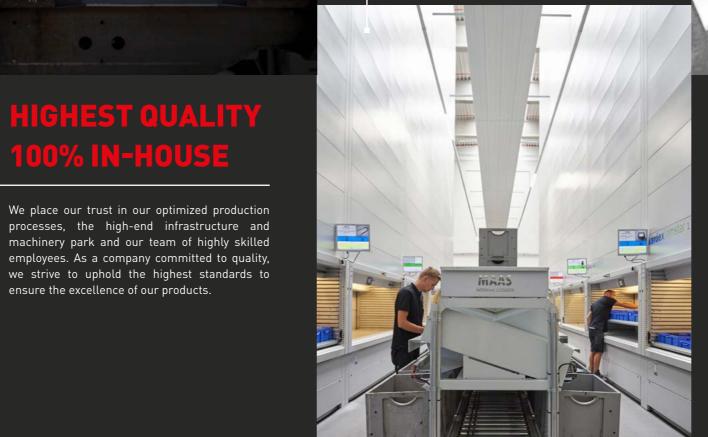
WE OFFER SOLUTIONS

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.



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.



HIGHEST QUALITY

We place our trust in our optimized production

processes, the high-end infrastructure and

machinery park and our team of highly skilled

ensure the excellence of our products.

100% IN-HOUSE



24h

+32 80 64 01 88

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.





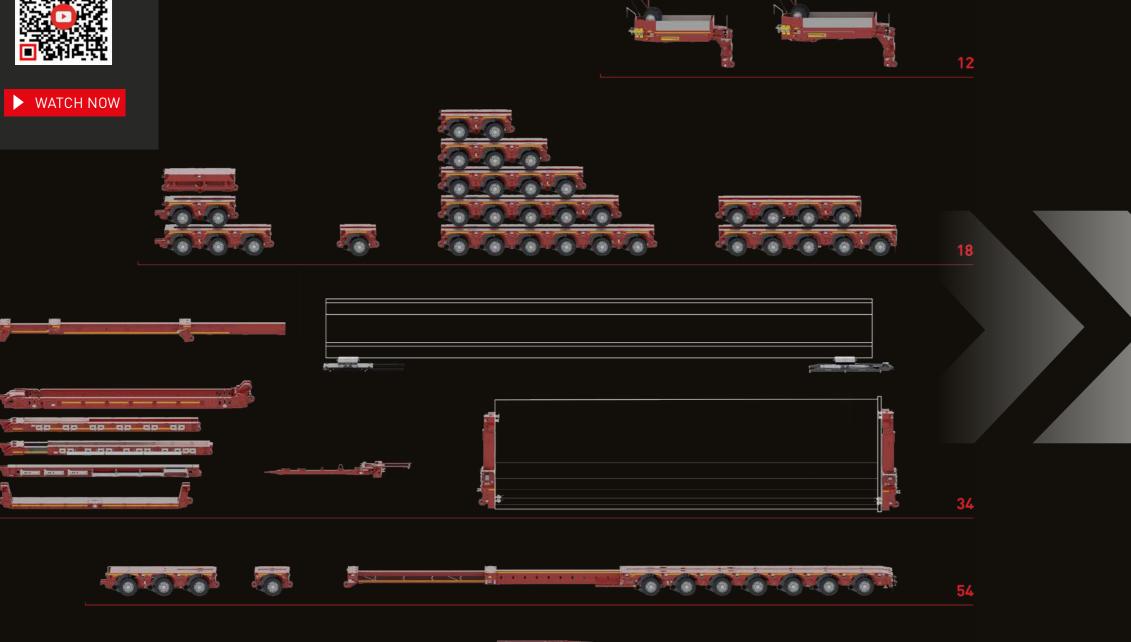
MODULARITY IS THE KEY

Success is not a coincidence, but the result of carefully considered decisions. Modularity is the key to success in times of rapid innovation. Modular vehicles provide the flexibility to react quickly to changing requirements.

This revolutionary new approach creates room for continuous adaptation and extension. The combination of modular components not only shapes the present, but also provides a flexible framework for the future. A future that builds on unlimited possibilities and endless flexibility.

The Faymonville CombiMAX combines modularity, flexibility and profitability in a single concept. It stands for the revolution in the heavy duty transport sector!





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AN OVERVIEW OF THE GOOSENECKS

The gooseneck for the CombiMAX has a universal design.

A variety of bogies as well as the Add-On-Beam, lowbeds and other components can be easily attached with the integrated hook receptacle and bolt coupling.

All this is determined according to the tractor unit used, and the everyday projects for which the modular road vehicle is expected to be employed.



GOOSENECK

V30 & V40 GOOSENECKS

Two basic types of gooseneck are available for the CombiMAX, depending on the required king pin load: the V30 gooseneck and the V40 gooseneck. The turning radius varies depending on the choice.

Compared to a gooseneck on classic heavy load modules, the operation is incredibly simple and intuitive. The control and monitoring functions are designed in a clear and functional way.

Four basic functions: removable, hydraulically compensating, can be raised and lowered, rigid

Double steering connection for different configurations

Fifth wheel pressure adjustable under load

Booster cylinder for high fifth wheel loads

	Turning radius	Technical king pin load
V-30	2,700 millimetres	37.5 tons
V-40	3,350 millimetres	50 tons





Universal coupling head



Hydraulic screw couplings



Spare wheels with holder and winch



Mechanical fine tuning for the gooseneck cylinder



Central lubrication



Working spotlight



User-friendly operating unit



Cable remote control for the power steering system



Mechanical landing gear at the front

Options



Third gooseneck cylinder



Electro-hydraulic power pack for the power steering system



Multiple hydraulic couplings



Radio remote control for the power steering system



Diesel power pack



Toolbox



AN OVERVIEW OF THE BOGIES

The patented combination of universal coupling heads and a full-length trough makes the CombiMAX bogies a unique concept.

All attachments such as lowbeds, the Add-On-Beam or lighting elements are designed so that they can be combined with bogies of different basic widths and overall heights.



FRONT BOGIE WITH HOOK RECEPTACLE: 2 TO 3 AXLES

Integrated front bogies are used to increase the payload in the front area of a lowbed combination.

They are featured by quick coupling and uncoupling using a hook receptacle on the gooseneck. The track rod alignment is usually hardly adjusted, as the bogie is always installed just behind the gooseneck. The universal coupling head at the end of the bogie is used to connect the front bogie to lowbeds, the Add-On-Beam or other bogies.

Quick and easy coupling procedure

Save time when combining

Easy loading onto the lowbed for unladen journeys



JOKER AXLE

The ace up your sleeve! A single-axle module - the so-called joker axle - is combined quickly and easily with other bogies via a universal coupling head with a bolt coupling.

The axle provides endless combination possibilities and has the same design, regardless of whether it is coupled to a front, centre or rear bogie. That is truly unique on the market!

This technology makes it possible to adapt the combination according to the load, legal payloads and routing. This is a real asset for every user, as it gives them unlimited flexibility when it comes to deployment planning.

One identical element for all applications

Quick and straightforward installation

Increases the payload capacity

Prevents overloading



CENTRAL BOGIE: 2 TO 6 AXLES

Central bogies can be installed at any position in a vehicle combination using bolt couplings on both sides.

The installation of a central bogie delivers maximum efficiency and an optimum vehicle configuration. The continuous full-length trough facilitates easy installation of the Add-On-Beam.

This means that the vehicle can be adapted very swiftly either to the load length or to the legally required overall combination length. The bogie loading platform is designed for high point loads.

Quick and easy coupling procedure

Universally applicable

Always equipped with an excavator trough



REAR BOGIE: 4 TO 5 AXLES

Thanks to the streamlined design, the rear bogie impresses with its optimised tare weight and consistently high load limit. The continuous trough also received special attention here. It has a remarkable width of 900 millimetres and therefore permits the transport of large construction machines with attached booms.

The rear area is designed with the future in mind and equipped for the attachment of access ramps. There are also fixed tail lights and an underride guard.

Optimised tare weight

Quick and easy coupling procedure

Save time when combining thanks to pre-adjusted tie rods

Equipped with an extra wide excavator trough



PERFECTLY EQUIPPED

Standard



Hose rupture valve with on-off valve



Central lubrication



Pendle-axle – tower bearing



Hydraulic coupling pins



Pendle-axle - cylindrical ball bearing

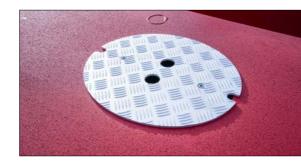


Lashing rings and stake pockets

Options



Hydraulic ramps



Covers for the tie rods



Warning signs



Extendable widenings



Tail lights for central bogies



Screwable lashing rings



Working spotlight

BOGIES



AN OVERVIEW OF THE AXLES

The CombiMAX is always equipped with pendle-axles, which are designed to tackle particularly difficult track and terrain profiles.

There is a choice between 17.5" and 19.5" single wheels and 17.5" dual wheels. The difference between the two sizes is the maximum possible axle load and the loading height.

Thanks to the pendular movements, they ensure optimal load compensation between the individual axles on uneven roads. The loading platform remains in horizontal equilibrium, with the load safely in position.



TYRES







OVERVIEW OF OTHER COMPONENTS

The outstanding Add-On-Beam comes into play for long loads, while lowbeds of all kinds optimise transport height.

Wind tower adapters are a favourite accessory in the wind power industry. Spacer platforms or drawbar combinations cover yet more specialised fields of application.



OMPONENTS

ADD-ON-BEAM

The Add-On-Beam is an elongation beam that can be inserted or slid into the bogie recesses. This component is available in single or double extendable versions and for bogie widths from 2,850 to 3,200 millimetres.

This Add-On-Beam turns the CombiMAX into the only modular system on the market that can also be used as an extendable semi low loader. The beam can be fitted between two CombiMAX components, either directly behind a gooseneck or between two bogies.

Single or double extendable

Separation points designed as a coupling head

Maximum compactness when retracted for cost savings on unladen journeys

Optionally extendible with elongation beams



MPONENTS

LOWBEDS

Lowbeds come in many versions and payload categories. Faymonville's wide portfolio facilitates deployment in diverse sectors. These are ideal solutions for transporting heavy and high loads such as construction machinery, transformers and industrial goods.

Within the CombiMAX modular system, there is a choice between outer beams with a fixed or removable floor, the vesseldeck with hydraulic widening, widenable outer beams, excavator deck and flatbed deck.

Height-optimised on the move

Quick and easy installation

Several variants and payload classes

Also available with elongation beams



QUICK COUPLING DEVICE

The quick coupling device is an interface that is fitted between the bogie and the lowbed to permit quick coupling using a hook receptacle. There are different categories, adapted to the respective payload capacity and combination.

Fast coupling and uncoupling Universal for various bogie widths and heights

4 different payload classes

Can be driven over from the front



EXCAVATOR DECK - BB

Heavy machinery is transported suspended from an excavator bridge with minimum ground clearance. These lowbeds are extendable, which makes them versatile for many applications. The outriggers and mattresses can be easily widened and positioned at two different loading heights. Special mattresses for side loading are available for situations where there is little manoeuvring space available.

Versatile extension stages

Different loading heights

Can also be loaded from the side

Overall height | 400 or 450 mm

Width | 1,350 mm



The Hydro Shift principle permits flexible hydraulic width adjustment of this lowbed variant. Full load capacity is guaranteed even at the maximum widening. A simple extension is also possible with this lowbed. The ATV bed is ideal for transporting wide and heavy construction machines.

Fast operation User-friendly ergonomics Safe positioning of the cargo

Overall height | 400 or 450 mm



OUTER BEAMS WITH FIXED FLOOR ATX-A AND AT-A

Lowbeds with outer beams and fixed loading floor offer optimum stability. There will be one continuous track over the entire length of the lowbed when loading construction machinery, even when extended. The beams are available in various overall heights and can be equipped with outriggers.

Optimum stability Safe loading process Adjustable length and width

Overall height | 300 or 350 mm **Width** 2,850 or 3,000 mm



COMPONENTS

OUTER BEAMS WITH REMOVABLE LOADING FLOOR- KB(X)

Unlike the lowbeds with outer beams and fixed floor, the loading floor is removable in this version. This move opens up more space, for example to load conical goods. The KB lowbed version allows the transport of high industrial containers and boilers with an optimised loading height.

More vertical clearance Flexible applications High load capacity

Overall height | 300 or 350 mm **Width** 2,850 or 3,000 mm



VESSELDECK WITH HYDRAULIC WIDENING - KBV

This vesseldeck provides maximum flexibility thanks to its hydraulic widening. Widening systems are available with single or double width adjustment. The longitudinal beams are available in a fixed length or with single telescopic extension. The installation of additional elongation beams is also possible. In this way, lowbed lengths of up to 25 metres can be assembled.

Maximum width flexibility Quickly up and running Available with elongation beams

Overall height | 400 or 450 mm



FLATBED DECK - FBX

The flatbed deck concept stands out for its continuous steel surface across the entire width of the lowbed. The bed is optimally prepared for the transport and side unloading of transformers. The reinforced loading platform enables maximum point loads.

Continuous loading platform Highest point loads Robust and durable





► WATCH NOW



COMPONENTS

TOWER ADAPTER

Tower adapters with a lifting capacity of 100 tonnes have been designed for height-optimised transport of tower segments of various lengths and diameters. These special devices are coupled either with a free-turning device or directly between heavy load modules.

Loading and unloading can be done without a crane. The tower adapter is hydraulically adjusted to the flange diameter to provide a secure connection during transport.

A well-designed work platform on each tower adapter also guarantees absolute safety for the operating personnel.

Internal flange diameter: 2,850 to 5,000 millimetres Lower tare weight than comparable lowbed bridges Improved turning circle due to more compact overall vehicle width Convenient radio remote control for the hydraulic functions



TURNTABLE WITH SPACER PLATFORM

A combination of spacer platform and turntable replaces the classic dolly to transport long and heavy concrete or steel beams together with a selfsteering trailer.

The spacer is integrated between the gooseneck and the front bogie. This results in a larger loading area, which means that the load is better distributed over the gooseneck and axles.

The turntable makes the combination easy to manoeuvre in tight spaces despite its length. The self-steering trailer is equipped with a maximum of eight axles in such a constellation.

Ideal for long loads Optimal load distribution Powerful manoeuvrability



COMPONENTS

DRAWBAR AND TRACTION EQUIPMENT

On a vehicle with a drawbar and traction equipment, this component is the connection between the tractor and the axle lines. Especially with a higher number of axles for the transport of heavy and compact loads, such a vehicle combination is a popular option.

Optimum vehicle manoeuvrability from the front or rear

Load overhang possible at the front and rear

Driving underneath a component on both sides for autonomous loading







THE LOW PENDLE-AXLE PA-X

When it comes to pendle-axles of Faymonville, the PA-X variant has a particularly low design. The optimised design reduces the loading heights of the vehicles by 70 millimetres. This is achieved successfully without compromising on the strong steering characteristics and the considerable lift.

As a consequence of this approach, the user has more options when transporting heavy loads.



FNDI F-AXI F

PA-X FOR COMBIMAX

A CombiMAX PA-X always consists of a gooseneck and a rear PA-X loading area and can be extended at the front with a PA-X front bogie. These are available as 2- or 3-axle trailers and may be further extended with a PA-X joker axle.

The rear loading platform is available with five to eight axles and can be single or double extendable. If required, it can be equipped with both ramps and an excavator trough.

All loading platforms are equipped with two hydraulic steering systems. The rear section of the vehicle can therefore be optimally manoeuvred depending on the overall combination length. This creates a vehicle with a minimum loading height of 790 millimetres over its entire length and a technical payload of up to 150 tonnes.

Minimum loading height of 790 millimetres*

Adjustable steering system with hydraulic counter-steering

High stroke of 600 millimetres

High steering angle of 60 degrees

12-tonne axle load permitted in many countries

* completely lowered





THE RAIL-VEHICLE

The transportation of trams, underground carriages and locomotives requires special equipment. Loading and unloading them by crane is generally not possible.

Apart from the overall height and the load weight, the loading procedure and the track width of the bogies also pose a challenge.

The CombiMAX modular system is also suitable for these tasks thanks to the variety of possible combinations.



AII VEHICI F

THE SOLUTION WITH PA-X AXLES

This variant is particularly popular for locomotives with high axle loads of up to 25 tons.

The loading platform is equipped with bolted and movable rails and a rail ramp developed by Faymonville. So that the vehicle can be adapted to the length of the rail vehicle, the extension section is designed with hook-in rails and sliding tables.

This creates a combination that is perfectly adapted to the cargo.

For variable track gauges of 1000, 1450 or 1670 millimetres

Rail ramp with a minimal gradient angle of 2 degrees

The rail ramp can also be used as a loading platform



AII VEHICI E

THE SOLUTION WITH CRANKED AXLES

Particularly long trams of up to 50 metres in overall length are transported with this unique combination of PA-X axles at the front and cranked axles at the rear.

By using cranked axles, the loading height in the driving position is reduced to 740 millimetres.

The loading platform is adapted to the required length with robust elongation beams. Its installation and removal is possible without the use of fork lifts or cranes thanks to sophisticated devices.

For variable track gauges of 1000, 1450 or 1670 millimetres
Rail ramp with a minimal gradient angle of 2 degrees
The rail ramp can also be used as a loading platform
Extendible with installable elongation beams





STANDARDISATION DOWN TO THE SPARE PART

When developing the CombiMAX concept, we focused on the standardisation of components.

This principle is the common denominator throughout the individual components.

For example, in the pendle-axle sector, both 17.5" and 19.5" bogies share the same components, including cylinders, bearings and wearing parts of the axles.

This consistent standardisation ensures a fast supply of spare parts - worldwide thanks to our reliable partners.

Swift and efficient maintenance ensures operational safety and a smooth transport process at the end of the day.





ENDLESS POSSIBILITIES

Flexibility is not only a promise, but the DNA of the Faymonville CombiMAX. This unique principle is the master of modularity. Its sophisticated design facilitates vehicle configurations of up to 250 tons payload as required. The use of standardised components produces a modular system that provides free and endless possibilities. This ease of handling means that you spend less time on preparation and more time on the road.





FAYMONVILLE CONTRACTOR MACE CO

68 FAYMONVILLE

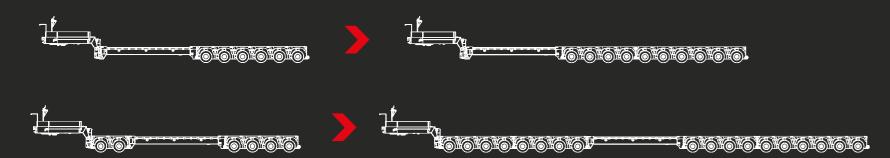
Semi-trailer



Semi-trailer and joker



Semi-trailer with Add-On-Beam



Semi-trailer with Add-On-Beam and joker



Lowbeds



Lowbeds with joker



EXAMPLES & POSSIBLE ADDITIONS

Drawbar & towing device

Drawbar & towing device with Add-On-Beam

Drawbar & towing device with lowbed

Turntable with spacer

Tower adapter



PA-X



PA-X & cranked axles



Ultra-modern infrastructure. Optimally networked locations. LUXEMBOURG - LENTZWEILER

Production facilities in Luxembourg, Poland, Belgium, Italy

100% in-house

More than 1,400 employees

175,000 m²

Worldwide distribution throughout 125 countries





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.



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
- 9 MANUAL BLASTING
- 3 ZINC SPRAYING BY ELECTRIC ARC
- ∠ JOINT SEALING
- 5 2-COMPONENT TOP COAT
- 6 CAVITY SEALING

OPTIONAL: SEAWATER-RESISTANT COMPLETE PRESERVATION

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