

FENDT

Fendt Cargo front loader





Fendt CargoProfi. The new generation of front loaders.

Fendt Cargo and CargoProfi front loaders are available for the 300, 500 and 700 Vario series. The additional sensor system installed in the swing arm enables completely new functions, including a weighing and tilt function. With this, the Fendt CargoProfi provides the perfect settings for safe and controlled loading.



Fendt Cargo. Unbeatable in combination.

The Fendt Cargo front loader offers advanced technology for maximum productivity. As a universal implement, it is the ideal partner for Vario tractors. All models are equipped with the unique Cargo Lock coupling system and parallel guidance with Z-kinematics.

FENDT CARGOPROFI

Intelligent and ingenious.

The CargoProfi

The Fendt CargoProfi, available for the front loader models 4X/75, 4X/80, 5X85 and 5X90, is the product of continuous development of the tractor and front loader unit. The front loader has a measuring and tilt sensor, and a job computer to record and process a range of data and settings. The settings are easy to adjust and view in the Varioterminal.

Extremely practical

The functions on the CargoProfi make work easier thanks to intelligent presettings. This allows operators to limit the lifting height and tipping angle. This is a decisive safety factor in low buildings or when loading very high trailers. With the memo function, arm and attachment positions can be saved for frequently used sequences and called up again when required.

Shaken or damped?

The CargoProfi has a fast and effective shake function to ensure that all firmly packed material is dumped completely from the bucket. And for loose material, losses caused by trickling are minimised through the end position damping. The flow volume of the hydraulics is automatically reduced when approaching the highest or lowest position and the front loader reaches these without jerking.

Weight under control

The unique weighing function of the CargoProfi enables recording loads as individual and total weight. You have full control over the loaded quantity and total weight of the transport vehicle, which means you can make full use of the loading volume. The button-activated weighing function is also fully integrated in the operating concept of the Fendt Vario. The information is always available for viewing in the Varioterminal.

The settings for the CargoProfi are adjusted easily and intuitively with the Varioterminal. Show the crossgate lever function, view single weight and overall weight data from the weighing system, limit the working range for the swing arm and attachment.



The Varioterminal and job computer on the front loader are connected via the CargoProfi socket.



The sensors for the CargoProfi functions are located on the right side of the front loader, where they are well protected.



Two pressure sensors in the crossbeam enable the weighing function of the CargoProfi.



Loader work, safe, easy and convenient

There are undeniable advantages out on the field. For example, the tipping angle can be limited when loading very high trailers. End position damping ensures the front loader is raised gently and smoothly, which minimises loss of material through trickling. The Memo function is especially practical for repeating sequences, for example, the horizontal lower position can be targeted automatically. The weighing function gives you more control over the load weight.

FENDT CARGOPROFI

More gentle and efficient material handling.

Variable cushioning

Easily transport and load even the most delicate goods with speed-dependent damping. To set the right cushioning level for the job at hand, you can individually adjust the applicable speed range.

Ultimate loading

Get recurring jobs done quickly and easily with the Fendt CargoProfi built-in memo function. With the Memo function, you can store common front-loader swing arm and attachment positions at the touch of a button, to go back them again and again. Use it when loading so the buckets always run exactly parallel to the ground, or program-in a maximum tilting angle to prevent damage to boundary walls.

Safe, easy and convenient

There are undeniable advantages out on the field. Limit the tipping angle, for example, when loading very high trailers. End position damping ensures the front loader is raised gently and smoothly, which minimises loss of material through trickling. The Memo function is especially practical for repeating sequences, for example, the horizontal lower position can be targeted automatically. The weighing function gives you more control over the load weight.



The front window opens out all the way, even with the front loader swing arm fully extended.



The settings for the CargoProfi are adjusted easily and intuitively with the Varioterminal.

THE FINEST OPERATING AND RIDE COMFORT

Fendt drivers have more vision.



Overview with the Fendt Vario

During loader work, it is essential that you have a good view of everything. Fendt Vario tractors have the best lines of vision upwards and downwards. The 300, 500 and 700 Vario series are equipped with the VisioPlus cab – a true wonder in visibility and space. The windscreen on the cab curves up into the roof for a 77°C, unobstructed view over the raised front loader. The area between and in front of the wheel arches has also been optimised. Fendt tractor bonnets are always slimline and well-designed – especially useful for pushing grain. Fendt offers a roof window for the compact 200 Vario series to guarantee a full view of the raised front loader.

Smart design for the best view

Through the optimised arm width and the crossbeam, which is positioned very far forward, the entire structure of the front loader has been designed for an unobstructed view. The pipelines lie protected in the arm and ensure a better view. If you like to have the front window open, the mounting points of the front loader arm and the Z-bar linkage mean the front window can be swung out fully at any time during front loader work (not available on the 3X/65 and 4X/75 compact).

Comfortable working conditions

The damping system, which lies completely protected in the cross beam, provides exceptional comfort. Nitrogen accumulators on the front loader act as shock absorbers. Shock loads cause the hydraulic oil to press against a membrane in the accumulators. This compresses the gas volume, which reliably reduces peak loads. If precise implement control is required, the system can be switched off electrically, with a quick push of a button in the cab (mechanical for 3X arm).

The roof window, which is standard on the 200 Vario, provides a perfect view of the raised front loader.



Front loader without damping system:
Shock loads are transmitted to the tractor.



Front loader with damping system:

Gas pressure reservoirs act as shock absorbers and prevent vibrations from being transmitted to the tractor body. The built-in cushioning system, together with front axle suspension and cab suspension, ensures superior ride comfort (optional).



The tractor's curved windscreen gives you a perfect view of fully extended implements.

THE FINEST OPERATING AND RIDE COMFORT

Maximum comfort for better results.

Sensitive and precise

You will be thrilled by how easy the front loader is to operate, because it is perfectly integrated in the Fendt Vario. Two control valves can be controlled very precisely with the standard crossgate lever without having to reposition your hand.

Cargo comfort handling

Complex implement functions can be controlled with the optional third and fourth hydraulic circuits. These are controlled by pushbuttons on the crossgate lever. The optional hydraulic attachment lock and the vibration damping system (optional) can also be conveniently operated from the driver seat using the CARGO comfort controls.

Fast and easy direction changing

The rapid reverse function on your Vario allows you to change driving direction quickly and easily, without wear. When driving in pedal mode with TMS, both of your hands are free, allowing you to change travel direction with your left hand and control the Cargo with your right.

The electrical crossgate lever controls the front loader with extreme precision. The 3rd and 4th control circuit can be operated without changing hands by using the push buttons on the crossgate lever.



The standard-equipped crossgate lever controls the front loader very precisely via two control valves. When working with a silage or bale grab, the third and fourth hydraulic circuit (optional) can be actuated with the pushbuttons on the crossgate lever.



With the Cargo comfort controls, the third control circuit can be switched over to the hydraulic attachment lock and the fourth control circuit to the optional damping system.



With the orange reverser lever, you can easily change directions with your left hand. When the lever is pressed, the Vario stands still. When the lever is released, the tractor automatically drives in the preselected direction.



Fine adjustments to the valve functions can be made on the Varioterminal. For example, you can control the flow rate precisely and easily using the rotary controls and function keys.

The arrangement of the controls ensures the best ergonomics. The Varioterminal gives you a clear overview of all control displays.

THE CARGO SWING ARM

Perfectly tailored to your Vario.



All hydraulic components are fitted in the cross beam and are therefore fully protected from dirt and mechanical damage.



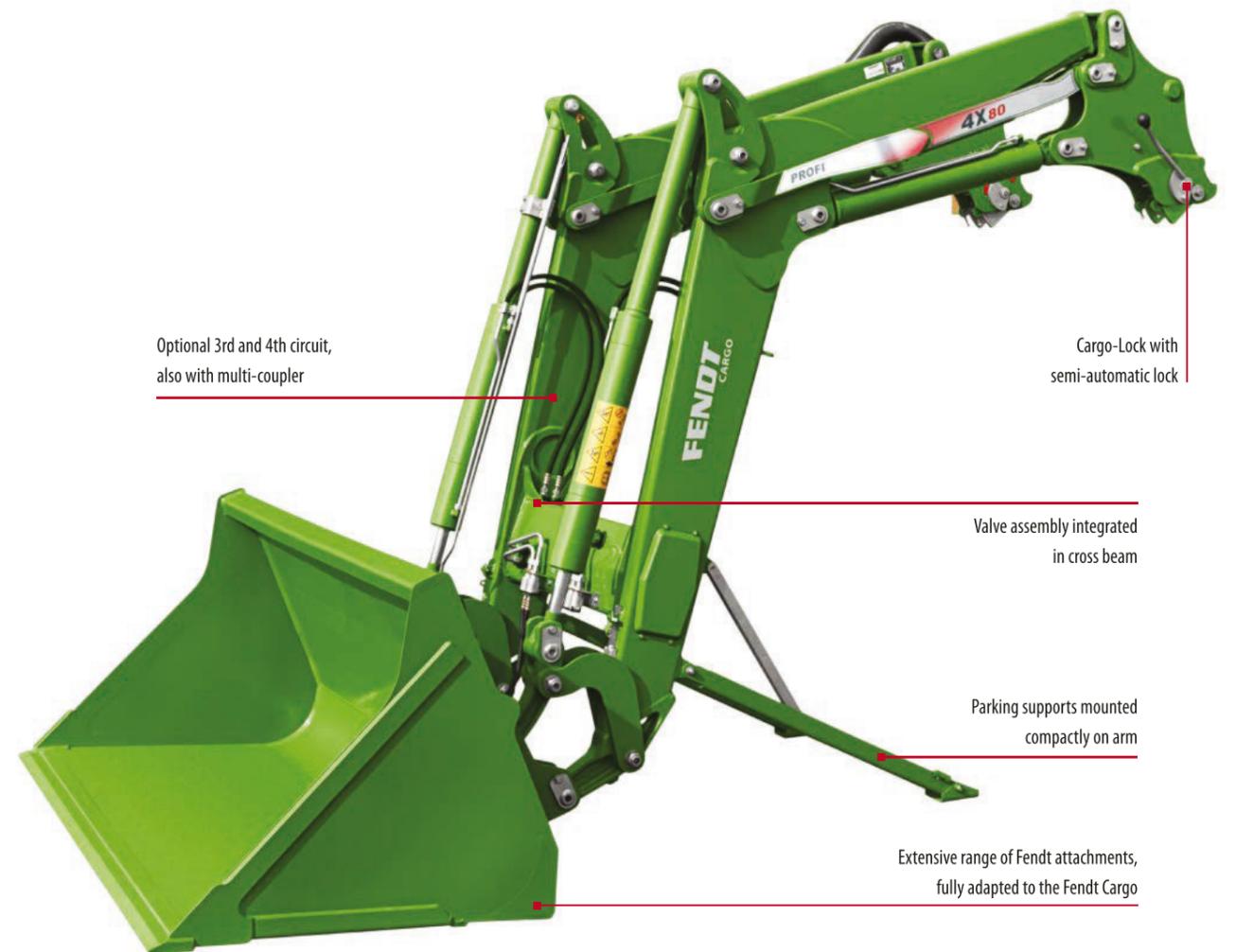
A unit designed for quality

The basic prerequisite for all Fendt developments is the highest quality. A major objective during the development of the Cargo was to form a perfect unit with the tractor. The technical specifications and overall design of the tractor and front loader have been perfectly adapted to each other.

Z-bar linkage

Further proof that the front loader is perfectly adapted to all the Vario tractors is the tried and tested mechanical self-levelling function on the Cargo, in the form of Z-bar linkage. For the best visibility. The parallel guidance ensures that attachments are kept in the same position over the entire lifting height. You can monitor its position at all times with the tilt indicator.

TORSION-RESISTANT ARM FOR RUGGED JOBS.



Optional 3rd and 4th circuit, also with multi-coupler

Cargo-Lock with semi-automatic lock

Valve assembly integrated in cross beam

Parking supports mounted compactly on arm

Extensive range of Fendt attachments, fully adapted to the Fendt Cargo

Lifetime design concept

High-grade materials ensure durability for a long service life. High-strength fine-grain steel is the key factor behind the life-time design of the new Fendt Cargo. In addition to high stability, it also guarantees a low weight. The Fendt profile, which is welded in one continuous seam, ensures high stability and therefore a long service-life. The generously sized bearing points also guarantee high durability and minimum wear.

THE CARGO SWING ARM

Mounting and removing made easy.



Technology for fast mounting and removing.
The new Fendt Cargo-Lock makes mounting and removing the loader quick and easy. The multi-coupler also saves time. Connect all electric and hydraulic lines with just one hand movement.

Really easy with Cargo-Lock
The semi-automatic locking system does away with the often awkward task of inserting locking pins. This makes mounting and removing much easier. Indicators on the inside of the loader towers tell the driver the status of the locking system at all times from the driver seat.

The new Fendt Cargo-Lock makes mounting and removing the loader easy and fast. The multi-coupler also saves time. It means you can connect all electric and hydraulic lines with just one hand movement.



Ingenious multi-coupler
Just one hand movement is all it takes to connect the hydraulic and electric lines. With the standard-equipped multi-coupler, incorrectly connected hoses, oil contamination and high leakage losses are a thing of the past. Disconnecting is just as neat and easy. Even when there is excess pressure in the loader after standing out in the sun, the Cargo can be coupled without problems.

The self-adjusting parking supports are mounted neatly on the arm.



Perfect stand
The parking supports have been completely redesigned. Manual setting and adjusting is not necessary, which saves valuable working time. Bolts or cotter pins no longer need to be inserted. The self-adjusting parking supports are mounted compactly on the arm.

Fendt Cargo-Lock guarantees quick and easy mounting and removal. A multi-coupler connects all hydraulic and electric lines at once – even under pressure on the front loader side.



The attachment is conveniently unlocked using a lever on the quick-attach frame; it just takes a flick of the hand. When mounting an attachment, lock it automatically by tipping it back completely.

OPTIMUM ACCESSIBILITY

Quick and easy maintenance.



Perfection in design

Since the designs of the front loader and the tractor have been specially adapted to each other from the very beginning, all maintenance work can be performed while the front loader is mounted. The front loader was designed to guarantee a very long service life through simple maintenance requirements and the use of the best materials.

Robust and hard-wearing

Maintenance and service-friendliness played an important role when developing the Fendt Cargo. The bearing points are large and extremely robust.

The large-sized bearing points ensure play-free connections, durability and a minimum of wear. The bushes are made of high-grade bronze bearing material and have lubrication pockets.



The front loader mounting parts have been designed specifically for Vario tractors, so you can access all the maintenance points even with an attached front loader. For example, access to the oil dipstick was taken into account when designing the mounting brackets.



Wheel weights are available for optimum rear ballasting. They are mounted with the tried and proven Fendt coupling system.



Universal weights round off the ballasting system perfectly.



Flexible ballasting

Fendt offers you a comprehensive ballasting concept for frequent loader work. Depending on the application, you can use wheel weights or rear weights, which are fast and easy to mount and remove. This keeps your Fendt Vario well balanced and stable in any situation.

ORIGINAL FENDT ATTACHMENTS

Fendt through and through.



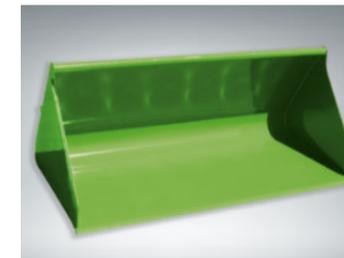
Semi-automatic attachment lock

The attachment is conveniently unlocked using a lever on the quick-attach frame; it just takes a flick of the hand. When mounting an attachment, lock it automatically by tipping it back completely.

Hydraulic attachment lock

The driver can use the pushbutton in the cab to hydraulically lock and unlock the attachment. This makes frequent tool changes quick and easy without having to get out of the cab. The two lock indicators show the driver that the attachment is locked on both sides (does not apply to the 3X swing arm)

The light material bucket is available in the widths 1850 mm (0.976 m³ flush volume) and 2400 mm (1.265 m³ flush volume)



The universal bucket is available in four sizes: 1600 mm wide (0.538 m³ flush volume), 1850 mm wide (0.622 m³ flush volume), 2100 mm wide (0.706 m³ flush volume) and 2400 mm wide (0.807 m³).



The heavy-duty bucket is available in the widths 1600 mm (0.512 m³ flush volume) and 2100 mm (0.672 m³ flush volume)



The bale grab is designed for bales with an outer diameter ranging from 900 mm to 1900 mm.



The big bale fork has three tines and is 1500 mm wide.



The palette fork is designed for loads up to 2000 kg, tine length 1100 mm.



The silage grabber comes in two sizes: 1800 mm wide (1.00 m³ flush volume) and 2200 mm (1.25 m³ flush volume).



FENDT CARGO

Technical specifications and equipment bundles.

		3X/65	3X/70	4X/75 compact	4X/75	4X/80	4X/85	5X/85	5X/90
Technical Specifications									
Continuous lifting capacity	daN	1680	2000	1940	1940	2260	2600	2600	2950
Max. lift capacity	daN	1850	2190	2250	2250	2620	3000	3000	3460
Excavation height (tyre-dependent)	mm	3740	3740	4085	4155	4155	4150	4460	4460
Digging depth (tyre-dependent)	mm	210	60	220	150	150	130	250	250
Digging width (tyre-dependent)	mm	860	1030	1045	1145	1210	980	1080	1080
Laying width at height of 3.5 m (tyre-dependent)	mm	1170	1450	1585	1685	1750	1610	1910	1910
Additional equipment									
Quick-attach frame		■	■	■	■	■	■	■	■
Manual implement lock		■	■	■	■	■	■	■	■
Hydraulic attachment lock				□	□	□	□	□	□
Damping system da		□	□	□	□	□	□	□	□
Cargo-Lock (semi-automatic lock)		■	■	■	■	■	■	■	■
Synchronous tipping cylinder				■	■	■	■	■	■
Mechanical parallel guidance		■	■	■	■	■	■	■	■
Front guard		■	■	■	■	■	■	■	■
Level indicator		■	■	■	■	■	■	■	■
Pipe break failsafe (not with damping)		■	■	■	■	■	■	■	■
Lowering throttle valve		■	■	■	■	■	■	■	■
Load holding valve		■	■	■	■	■	■	■	■
3rd and 4th hydraulic working circuit		□	□	□	□	□	□	□	□
Multi-coupler front loader		■	■	■	■	■	■	■	■
Multi-coupler for 3rd and 4th circuit		□	□	□	□	□	□	□	□
CargoProfi functions									
CargoProfi controls integrated in Varioterminal					□	□		□	□
Weighing function: loads are weighed with the push of a button, both individual and total weight possible					□	□		□	□
Memo function: Save positions for arm and attachment					□	□		□	□
Limiting of the working range, such as lifting height and tilt angle					□	□		□	□
Shake function					□	□		□	□
End position damping					□	□		□	□
Speed-dependent damping (automatic enabling and disabling)					□	□		□	□
Tractor equipment									
Crossgate lever		■	■	■	■	■	■	■	■
Front window can be opened completely			■		■	■	■	■	■
Front loader assignment									
Fendt 200 Vario		□							
Fendt 300 Vario (up to max. tyre Ø 1200 mm)			□	□	□				
Fendt 300 Vario (from max. tyre Ø 1200 mm)				□	□				
Fendt 500 Vario					□	□			
Fendt 700 Vario (up to max. tyre Ø 1450 mm)							□	□	□
Fendt 700 Vario (from max. tyre Ø 1450 mm)								□	□

FAQ. EVERYTHING ABOUT FENDT.

What can we do for you?

What makes Fendt Service different?

For us, service means knowing and understanding your work in order to meet your demands for reliability and safety and to act in your economic interest. We stand behind our products and have developed them for the highest demands and long-term operation. Our service is the partnership aspect for your work.

What is the Fendt one-terminal concept?

Just one terminal means: whether vehicle control, ISOBUS implement control, automated guidance via VarioGuide, documentation with VarioDoc, camera functions or various help functions – at Fendt everything is done easily using a terminal, the Fendt Varioterminal. Just one terminal also means that at Fendt, control is consistent and logical. No matter if you are driving a Fendt Vario, a Fendt combine or a Fendt Katana, you will find your way around immediately and feel at home in all the Fendt machines.

How do I get a Variotronic^{II} update?

Fendt Variotronic^{II} is update-compatible. This means you always have the latest technology in your Fendt and the future on your terminal. Contact your Fendt dealer for details.

What is Fendt Expert?

Become an expert on the Vario Profi with Fendt Expert driver training: Are you already familiar with all the functions that the technology has to offer? Take advantage of the technology in every Fendt Vario and learn how to make best use of every feature, with Fendt Expert. Our team of professional trainers will advise you on how to use the full potential of your Fendt tractor. Contact your dealer for details and register today.

What is FuseTM?

FuseTM Technologies provides ultra-modern precision solutions for agriculture across all AGCO brands. It permits farmers and contractors to integrate and connect their entire fleet seamlessly, resulting in reduced operating costs and even more efficient and profitable machine operations.

www.agcotechologies.com

fendt.com

Find everything online – from brochures to technical specifications, from reports about customers or our company to our Fendt event calendar.

Fendt Configurator

With the Fendt Vehicle Configurator, you can choose from all the available equipment variations and put together the best equipped machine for your farm. The Fendt Configurator is available online at www.fendt.com, where you will find a quick link to it directly on the start page.

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