



FRONT LOADERS



VALTRA

YOUR WORKING MACHINE

DESIGNED TO MAKE YOUR WORK EASIER



THE COMFORT YOU DESERVE

Valtra tractors are always designed with the user in mind. That's why our armrests are the easiest to use, with the controls right where you need them. A perfect example of this is the powershuttle, which has an integrated parking brake.

The legendary Valtra joystick is available in all Valtra loader tractors and it's designed to fit to anyone's hand – without any compromises. This makes it comfortable and easy to use even during long working days.



FROM THE GROUND UP

Built and designed in Finland, where the loader tractor rules the farm, Valtra tractors are made to be the true multi-purpose vehicle. Instead of fitting the loaders to the tractors afterwards, they're fully integrated into the design story of Valtra tractors.

With Valtra, you'll always have true 360 visibility and maximum working comfort. The powerful hydraulics make your work efficient, the optimal wheelbase allows extremely tight turning circles and the best suspension on the market lets you work in an optimal way in any space.



SMART WHEN YOU NEED IT

Valtra's unique Precision Lift & Load feature takes your work to the next level. Not only does it reduce your stress levels by automating selectable actions, such as shaking bucket and returning the loader to the work position, but it also enables you to be more accurate via the integrated weighing function.

To make your important documentation tasks much easier, all the data from the day's work can be saved and exported to your computer. Additionally, your work safety is increased with features like work range limits and auto softdrive. Precision Lift & Load is the integrated, all in one solution from Valtra which is fully integrated into our multi-award winning armrest: SmartTouch.



**LOADED WITH
POWER AND
PRECISION
NEVER SEEN
BEFORE.**





1. **A large offering /** Loaders are available for each size and model of Valtra tractor from 75 hp to 271 hp. They include options for lift height (reach) and lift power, and they can be specified as everything from basic loaders to fully featured precision tools.
2. **Outstanding user experience /** The conveniently designed front loader joystick with armrest control ensures precise, comfortable work. With features such as great power shuttles, pre-programmable power shift, AutoTraction and Turbine clutch simulation it makes your workdays smooth, safe and smart.
3. **Excellent operator visibility /** The large convex windows give you a wide viewing angle in all directions, ensuring a clear view of your implements. The additional roof window for the A, G, N and T Series enhances visibility even further. And the good mirrors with excellent lights and wipers let you work efficiently and safely in all conditions.
4. **Superior agility /** Valtra tractors always have a small turning radius, even with a front lift or a front loader or both. This makes your tractor agile for easy and efficient work, which is why the turning radius is always as small as possible.
5. **High capacity hydraulics /** All Valtra tractors offer the highest hydraulic capacity in their power class. The high oil flow makes your loader work efficient, and the Electronic loader controls, which are available for all models, make loader control precise and comfortable. Mechanical basic specification controls are available for the A Series.
6. **New A-pillar display /** The A-pillar display comes with N and T Series, putting effortless loader and hydraulic setting adjustments within easy reach. It gives you the same kind of convenience as SmartTouch in Versu and Direct models.
7. **Super strong subframes /** The precision machined Valtra subframe is extraordinarily heavy-duty and has multiple anchor points for extra strength. The structure offers maximum loading capacity without affecting turning radius or visibility.
8. **Live 3 function, option in G, N, T /**
The Live 3 function lets you control several functions at the same time, like dumping and opening the gripper arms on a bale grip. The flow and operation time for the implement can be set easily in every 5th generation tractor.
9. **Seamless integration /**
The factory fitted front loader and a heavy-duty subframe provide maximum protection to the operator and tractor chassis. Both a front loader and a front lift can be seamlessly fitted to the same tractor. A cast subframe is available for the G and N Series.
10. **Valtra Unlimited Studio /** Whenever you require even more, contact Valtra Unlimited. Whether it's a special colour for your tractor or your loader, or features like X-tilt, cameras, extra spotlights, free flow return for hydraulic motor, or your wildest dream, Valtra Unlimited can make it a reality.

TOTAL CONTROL FOR HIGHER PRODUCTIVITY

The Precision Lift & Load feature makes it easier than ever to control your front loader with absolute precision. It's convenient, smart and easy-to-use, and helps you be more productive. And you can control and adjust it right from the SmartTouch armrest.

WORKING SAFETY

The Precision Lift & Load feature ensures significantly improved front loading work safety with precise and functional work range limits and automatic angle control.





WORKING DATA FOR INVOICING

When your weighing task is done, you can export the task data to e.g. xml format and use this data in your Farm Management software. This lets you easily see comprehensive data, including invoicing, proof of time and weight of material handled.



SMART LOADING PROFILES

Create different Precision Lift & Load feature settings for different tasks and save all your settings to different profiles. Next time you want to start the same work, just select correct profile and start working – it's as easy and safe as it gets.





PRECISION ENGINEERING. MAXIMUM CONTROL.



ERGODRIVE

A Series

Ergodrive can be fitted to A Series. Ergodrive gives you straightforward mechanical control of your front loader. The Ergodrive lever is conveniently located next to the driver and it also gives you access to the quick coupling function, and integrates control of the 3rd and 4th loader functions.



ELECTRICAL ARMREST

A Series

Available for A Series, the electrical armrest gives you easy electrical control of the front loader. The joystick lets you operate the front loader as well as giving you control of the 3rd and 4th functions. It also includes buttons for float activation and a decompression button for the 3rd and 4th functions. Additional armrest controls for Softdrive, hydraulic implement locking and loader on/off are available for A4H4 models.



VALTRA ARM (HITECH & ACTIVE)

G, N & T Series

HiTech and Active models can also be fitted with a control armrest, which includes a drive lever and a dedicated hydraulics joystick. The joystick gives you precise control of the front loader, including the optional hydraulic implement locking and control of the 3rd and 4th functions. The control armrest also includes buttons for switching the front hydraulics on and off, for hydraulic implement locking, for Softdrive and for changing over the front lift/front loader. All G, N and T models with front valves come with a hydraulic assistant that automatically increases the engine revs to assist front loader work.



SMARTTOUCH (VERSU & DIRECT)

G Versu, N & T Series

Versu and Direct models come with the SmartTouch armrest fully integrated and it gives you precise electronic control of all front loader and hydraulic functions. SmartTouch is designed to reduce your workload and makes operating your front loader and your tractor easier than ever. SmartTouch includes a multifunctional drive lever, a 9" touch screen and a hydraulic joystick for front loader control. You can customise the hydraulic functions to suit your work and your needs by assigning specific functions to the drive lever, hydraulic controls and memory buttons.

SMARTTOUCH. QUICKER. BETTER. SMARTER.

The SmartTouch armrest gives you fast and precise control of your front loader and it lets you set up profiles for each implement. Changing and saving settings is easy and intuitive, and you can program up to 9 different hydraulic functions. Any hydraulic valve can be assigned to any function and vice versa. You can control any hydraulic front/rear valve with any hydraulic lever or joystick – including the front loader and linkages.



1. 9" Touchscreen

The SmartTouch screen allows you to adjust the hydraulics of the tractor and the loader, and to assign different hydraulic functions to the controls.

2. Save and recall presets

With SmartTouch you can save settings for each task, for each implement and even for each driver. This means that whatever the job, you can recall the right hydraulic settings instantly.

3. Memory buttons M1, M2 and M3

These buttons can be assigned to control any hydraulic operation, including valves or power lift, or a U-pilot sequence, or any other single function.

4. Live 3

This new feature allows you to control 2 loader functions at the same time. For example: dumping and opening the gripper arms on a bale grip.

5. Dedicated hydraulic joystick

Control five functions with one joystick! The hydraulic joystick allows you to control 3 independent hydraulic distributors, as well as the 3rd and 4th loader functions.

6. 2 mini linear joysticks for hydraulics

The mini linear joysticks give you analogue control of the front loader hydraulic valves – the more you press the more flow you get. This makes precise movements possible.

7. Control levers

These four fully configurable controls can be programmed to select any hydraulic valve you want including valves for the front loader and linkages.

Valtra ARM features

The Valtra ARM gives you joystick control of the front loader with additional Live 3 control of the third function.



Features

1. Front hydraulics on/off button
2. Button for hydraulic implement locking
3. Button for Softdrive
4. Change-over button for front lift / front loader
5. Joystick with Live 3rd function (only with front lift or Loader)
6. Live 3rd valve linear lever

STAY ON TOP OF YOUR WORK AT ALL TIMES WITH THE SMART A-PILLAR DISPLAY.

The Valtra smart A-pillar display brings all the information you need to exactly where you need it. With the essential information always displayed up top in a clear and easy way, you'll never get lost searching for what you need to know. The lower drive displays can be configured to show exactly what you want to see.

Use the smart A-pillar display to adjust front valve settings in Active and HiTech models. With the A-Pillar display, it's simple to turn the hydraulic assistant on/off and select the valve state, and it's quick and easy to adjust hydraulic flow for faster or more precise operation.

THE POWER SHUTTLE FOR SEAMLESS WORKING

The shuttle lever returns to the center position after selecting the driving direction, and neutral can be activated by pushing towards park without lifting the collar.



Integrated park brake / The fully integrated and easy to use park brake, reduces stress and unnecessary hand movements during loader work. Placed perfectly behind the steering wheel, it is easy to reach.

Smooth and fast / Valtra powershuttles are industry leaders for smoothness and speed, and can be adjusted according each driver and task requirements.

Clutch free operation / Integrated with AutoTraction, the power shuttle

gives you a totally pedal-free loader experience. You can change direction and stop without touching the clutch pedal at all.

Fits like a glove / The ergonomic design means that the powershuttle is right at hand and comfortable to use, even on long days.

Returns to centre / For N & T tractors the powershuttle always returns to centre, so you can seamlessly use powershuttle on the SmartTouch drive lever.



FRONT LOADER FEATURES

HYDRAULIC IMPLEMENT LOCKING

The safe and comfortable hydraulic implement locking system activates with an on/off safety switch from the driver's seat and the side handle gives a clear indication of the position of the implement. The on/off switch diverts the oil from the compatible 3rd function to the hydraulic implement locking. The one-piece welded locking mechanism, which is the same for both mechanical and hydraulic implement locking, decreases the risk of faulty implement engagement.





LOCK&GO SAFE AND CONVENIENT

Let's get real - you can't find an easier connect and disconnect system than Lock & Go. Since there are no loose parts and no tools are required, you can simply connect and disconnect the loader with a minimum of effort. As a well proven, time saving system, Lock&Go also offers clear visual confirmation of pin engagement from the driver's position.

1. **Strong loader boom /** The heavy duty boom arms have an 80 mm wide arm profile for unrivalled strength.
2. **Hydraulic piping /** The hydraulic piping is protected inside the beams and all visible hoses are braided to protect them from dirt and damage.
3. **Designed for visibility /** The curved and chamfered design, and low knee and crossbeam give an increased field of vision.
4. **Hydraulic implement locking (option) /** Change implements without leaving the driver's seat.
5. **Lock & Go couplings /** Attach and detach the loader in less than a minute, no tools required.
6. **Bearing box /** The compact design allows the locking pin to be shorter and stronger, and the wide U support provides maximum stability.
7. **Super strong subframes /** The subframe is precision machined with multiple anchor points for extra strength and maximum loading capacity.
8. **Pivot pins /** All pins and hinges are made from the highest quality materials and the tool carrier has an extra strong pivot locking pin on the most critical joint.
9. **Support legs /** Easy-to-use support legs are fitted in the loader beams for easy decoupling.
10. **SoftDrive loader suspension (option) /** This dampens shocks and vibrations on the front loader. It's easy to activate from the cab.
11. **Cross beam /** The round and low placed crossbeam provides excellent stiffness, torsional force absorption and durability, as well as good visibility and weight distribution.
12. **Central valve /** The central distribution valve is located in the centre of the crossbeam for immediate, precise control.
13. **Clic-ON /** Loaders with a manual implement lock come with Clic-ON for safe, ergonomic and automatic locking.
14. **Tool Carrier /** The tool carrier can be tilted forward almost 180° making implement hooks clearly visible from the cab.
15. **Precise Self Levelling /** The implement angle can be set to stay in position through the whole range of the loader's movement with no loss of lift force.

FRONT LOADER IMPLEMENTS. THE RIGHT TOOL FOR EVERY JOB.

Valtra front loaders are available with a carefully selected range of tool carriers to suit different sizes of implements from different manufacturers. These tool carriers make attaching and detaching implements safe and ergonomic. They feature a yellow indicator handle which clearly indicates if an implement is in the locked or unlocked position.



BUCKETS

A range of buckets is available to take care of various tasks. These include a universal bucket, a heavy bucket, and two sizes of volume buckets.



PALLET FORKS

The Pallet Fork is durable, stable and safe. The upper support of the back frame is made from one piece and the load the fork carries is distributed over a large area.



SQUARE BALE FORKS

The Square bale fork is a simple and sturdy implement for both round and square bales. The tines in the lower box section can be installed 80 or 130 cm apart or with one in the centre section for improved capacity.



FRONT LOADER OPTION PACKAGES

Get everything you need for front loader work. With Valtra, you get the whole package factory-fitted and seamlessly integrated. In addition, the Pro package includes a high visibility roof for a wider upwards view, as well as the Precision Lift & Load feature that weighs the load, stores task data and makes your work astronomically smart.

FRONTLOADER

- Subframe set & loader hydraulics ready for heavy lifting
- The front loader of your choice
- Front valves
- Tool carrier

AVAILABLE FOR **A, C, N** and **T** Series

OPTION PACKAGE
FRONT LOADER

FRONTLOADER PRO

- Precision Lift & Load for full digital control and maximum ease of use. Automatic weighing, set height and angle limits, easy bucket shake, get the data
- Tool carrier & advanced loader hydraulics
- The best view with the high visibility roof

AVAILABLE FOR **N&T** SERIES

PRECISION LIFT & LOAD
MAKES YOUR WORK DAYS
ASTRONOMICALLY SMART

OPTION PACKAGE
**FRONT LOADER
PRO**



YOU FIND THE WORK. WE'LL FIND THE WAY.

A tractor is the perfect machine for municipal work, airport maintenance, defense purposes and, of course, farming. It just needs to be done right. Whether it's because of changing work needs or wanting to stand out from the crowd, there's always a reason to go Unlimited.

Upgrade your front loading work with extra working lights, front cameras, special equipment or take full control of your front loader with technology. What do you need? What have you been dreaming of? Done and done. We make it happen.

PERFORMANCE FOR ANY PURPOSE

The Unlimited studio can fit any accessories and equipment that are not available directly from the production line during the normal manufacturing process. With Valtra Unlimited, your tractor is a true multi-purpose vehicle, built according to specifications given by you, with the design, comfort and features you need to perform in any environment.

FACTORY FITTED

All the accessories and equipment fitted by the Valtra Unlimited studio are covered by the factory warranty, and we also supply all the servicing and spare parts for them. The accessories and equipment available from the Unlimited Studio include additional lights, central lubrication, stereo systems and much more.

SPECIAL PAINT

You can get a special paint for your tractor so why not match your front loader with it at the Unlimited Studio.





BETTER VISIBILITY

With a camera attached to the front loader you have full visibility over your implements.



WEIGH AND SAVE

Get full control over your implement position and weigh your load while lifting with the Q-companion.

For Active ja HiTech models.

GET THE RIGHT ANGLE

X-tilt gives you hydraulic tilting of the front loader tool carrier that allows the implement to be tilted horizontally up to 20 degrees in both directions. Improved stability and more accurate load lifting on uneven ground.



TECHNICAL SPECIFICATIONS



LOADER MODEL	TRACTOR MODEL SERIES				Weight - Front loader**	Maximum Lift Height - Pivot Pin	Maximum Dump Angle at Max height	Maximum Rollback Angle (Re-scooped)	Loader reach, front tip of bucket	Lift Capacity to Maximum Height
	A	G	N	T	kg	m	deg	deg	mm	kg
G RANGE HEAVY DUTY LOADERS										
G3S	A75-A95				520	3,55	58	58	2895	1 550
G3L	A75-A115				525	3,81	53	58	3100	1 740
G4*	A105-A115 H4				515	3,79	58	N/A	3025	1 290
G4S	A105-A135				575	3,79	58	58	3025	1 920
G4S ext		G105-G135			575	3,79	58	58	3025	1 920
G4M ext		G105-G135			575	3,79	58	58	3025	2 260
G4L	A105-A115 H4	G105-G135			580	4,02	54	60	3210	1 780
G5*		G105-G135	N135-N175		560	4,06	56	N/A	3155	1 300
G5S	A105-A135	G105-G135	N135-N175		620	4,06	57	58	3155	1 980
G5M			N135-N175		620	4,06	57	58	3155	2 300
G5L	A105-A115 H4	G105-G135	N135-N175		625	4,2	54	58	3260	1 930
G6S			N135-N175		720	4,25	57	58	3360	2 140
G6S ext				T145-T255	720	4,25	57	58	3360	2 140
G6M ext				T145-T255	720	4,25	57	58	3360	2 470
G6L				T145-T255	750	4,55	53	59	3620	1 980
G7S				T145-T255	760	4,6	54	58	3595	2 170
G7M				T145-T255	760	4,6	54	58	3595	2 490
G7L				T145-T255	820	4,75	53	58	3770	2 000
X RANGE: UTILITY LIGHTWEIGHT LOADERS										
X36	A75-A95				390	3,4	50	44	2540	1 520
X41*	A105-A115 H4				360	3,7	49	N/A	2660	1 010
X46	A105-A135				420	3,7	49	42	2660	1 590
X51*	A105-A115 H4				390	3,9	46	N/A	2800	1 080
X56	A105-A115 H4				440	3,9	46	43	2800	1680

*) G4, G5, X41 and X51 are non self-levelling; for special use only

**) Basic loader, not including subframe or implement

NOTE: that in N135 a HD front axle is needed. In T Series loaders **6S ext** and **6M ext** only without front lift.



You take on extremes each day.

You work in challenging environments, climates and landscapes.
You work hard, putting in long hours and hauling distances.
You work with jobs that ask for speed, power and precision.

To be in complete control, you deserve a visionary partner.
To be always connected, you need the smartest machine.

That is why you trust Valtra.

We work hard to make hard work easy.
We find new ways to solve your challenges.
We make machines that are tough on the outside
and smart on the inside.

Our machines are built to last.
Built to work. Built for you.

YOUR WORKING MACHINE