

Quantum

Plot combine.

The new benchmark in field research equipment.

The Quantum is the new plot combine in the mid-range performance segment developed by WINTERSTEIGER to meet the increasingly demanding challenges of state-of-the-art field research, from nursery to yield trial plots.

Featuring a modular design, the Quantum comes with many innovative solutions, such as the patented airfoil separator for fast and gentle seed transport. The combine sets new benchmarks in terms of throughput, user-friendliness and seed handling, all to your benefit.

The result of ongoing and consistent development, the Quantum's OptiFlow^w header with belt feeder and OptiFlow^w high-performance threshing unit enable maximum throughput – even under the most difficult harvesting conditions.



Your benefits summed up:

- **Powerful machine for breeding and crop variety trials**
- **Stress-free working thanks to an advanced operating concept**
 - Optimal layout and low noise level in the cabin
 - Top ergonomics for stress-free working for the driver and operator
 - Intuitive driver assistance system with fully automatic sequence control
- **Maximum operating efficiency**
 - OptiFlow™ cereals header and high-performance threshing unit for optimized material flow

- Perfect cleaning system thanks to an axial fan with optimal air flow
- Maximum level of sample purity thanks to patented post-cleaning
- Long range thanks to low fuel consumption and large tank volume
- Sturdy construction and low maintenance costs

- **High-performance crop logistics**
 - Minimal cycle times
 - Flexible and high-performance sample definition
 - Integrated and optimally located sampling and bagging system

- **Precise data collection technologies**

- High-performance Harvestmaster® weighing systems
- Integrated NIRS data collection

- **Well suited for multiple crops**

- Exchange of header and concave within a few minutes
- Center row threshing ability starting at spacing of 52 cm between rows of corn or 125 cm for grain
- Sieves and shakers can easily be interchanged



Stress-free working thanks to an advanced operating concept.

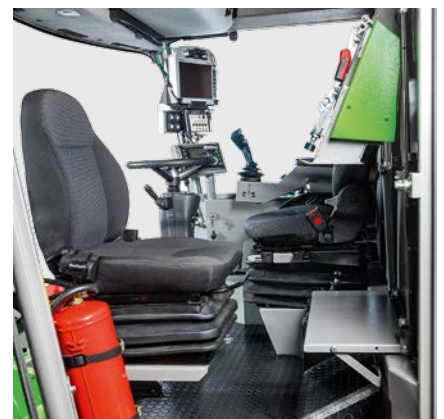
The WINTERSTEIGER Quantum is characterized by the excellent design of the cab, cockpit and controls, which are clearly oriented to the users' needs. This makes using the machine for harvesting considerably less stressful, significantly reduces factors that lead to tiring and helps to keep up concentration levels, even at the end of a long day's harvest. The Quantum sets standards that previous plot combines have been unable to offer.

Premium cab: keeps stress at bay.

- Clear-cut space concept: The driver's seat is slightly off-center and thus ergonomic with respect to the controls. The second operator has the space needed to work comfortably.
- Noise reduction: The cab is certified for a noise level inside the cab of just 76 DB(A). This is achieved by the curved windows, decoupled mounting on the cushioning elements, and a damping floor covering.
- Maximum safety: The cab is built in accordance with EN 1351, TOPS-tested and certified.
- Pleasant climate: The cab boasts best-in-class cooling even at high outdoor temperatures, thanks to its powerful air-conditioning system with a cooling output of 8 kW.
- Stress-free seating positions: The Quantum has comfortable ergonomic seats for the driver and operator that are also available as air ride seats.
- Dust-free: Dust is kept out, as the sampling system is sealed off.



Clear-cut space concept for comfortable working



Ergonomic workstations

The cockpit: revolves around the driver's needs.

- The height and tilt of the steering column are adjustable.
- Safe handling: The multi-function lever is built into the armrest and moves with the driver's seat.
- All the harvesting mode functions are triggered from the multi-function lever:
 - Ground drive forward/reverse
 - Lifting/lowering the header
 - Raising/lowering the reel
 - Reel speed control
- Header quick stop
- Activating the differential lock / 4 WD drive system (option)
- Switching between the fast and slow ground speeds
- Moving the reel forwards/backwards or opening/closing the picker bars
- Starting sequence control
- All the other controls and functional elements are ergonomically located on the operating panel.



The multi-function lever built into the armrest

On-board computer: enables you to keep track of everything at a glance.

- State-of-the-art and intuitive visualization of all the machine parameters on a single color screen
- Intuitive menu navigation through function keys
- Integrated USB interface
- Many useful additional harvest features (e.g., the ability to couple the reel speed with the harvesting speed)
- Other additional features, such as cruise control and a refueling count-down timer
- If a rear-view camera (option) is installed, the camera image is automatically displayed when the reverse gear is selected.
- Semi- or fully automated processes for optimized plot-to-plot sequence control:
 - Stopping the machine between plots
 - Automatic pneumatic cleaning of the header
 - Automatic raising of the header and lowering of the reel
 - Automatic opening of the sieve (option) and cleaning blower ramp-up
 - Starting the weighing and sampling cycle
 - Restarting the machine
- Best possible overview of the current sequence status



Enables you to keep track of everything at a glance

The steps that disappear.

The Quantum boasts an excellent feature for harvesting center plots: automatic foldaway steps. When the cab door is closed, the steps automatically fold up, which prevents plants from getting trapped in the steps during harvesting. This is clearly a benefit!

When the cab door is opened, the steps automatically fold down again and therefore ensure the driver is able to exit the cab safely.



Foldaway steps





Headers for maximum performance.

Headers with OptiFlow^W technology.

The Quantum's OptiFlow^W technology is the result of ongoing and consistent development of headers for plot combines. OptiFlow^W demonstrably enables the machine to achieve its maximum feeding performance, even under the most difficult of conditions – it doesn't matter whether the combine has to deal with lodged grain, heavy weed or grass growth, long straw or bulky crops. The split intake auger improves material flow considerably, especially in the case of rapeseed, and thus removes the need for special rapeseed headers. The compacting drum ensures that the material is compacted and aligned as it is handed over to the threshing unit.

OptiFlow^W header performance features:

- There is a rounded step directly behind the cutting knife for improved material flow and effective protection against grain loss.
- The split intake auger offers the best possible material flow and maximum feeding performance. In combination with the compacting drum, the harvested material is passed to the threshing unit lengthways. This substantially improves the efficiency of the threshing unit.
- The driver has the best possible view of the cutting knife thanks to the split intake auger.
- No intermixing thanks to effective pneumatic cleaning with compressed air
- The large lift height (1050 mm) optimizes rapeseed and sunflower harvesting.
- Modern hydraulic direct-drive mechanisms with a high level of efficiency
- Quick-stop system for the complete header prevents the intake of foreign objects
- Skids for low and even cutting height equipped with fast adjustment mechanism



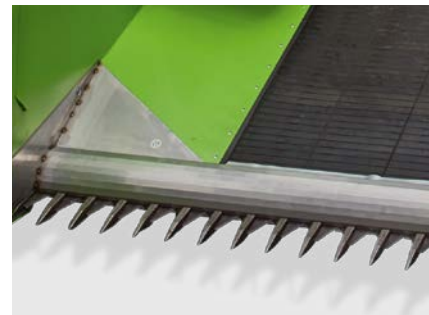
OptiFlow^W header



The driver has the best possible view of the cutting knife



Optimal material flow thanks to the split intake auger



Rounded step prevents grain loss

Versions and accessories:

- Cereal headers available with cutting widths of 125, 150 and 175 cm
- Reels available with 4 or 5 parts. The 5-part reel offers even smoother feeding.
- Hydraulically driven vertical cutter bars on the left and right for rape-seed, beets and beans reduce losses at the separation points.
- Hydraulic horizontal reel adjustment
- Extra-long right outer divider for splitting plots with long-stem grains
- Crop lifter for harvesting lodged crops
- Reel brushes for cleaning the cutting unit
- A fine grain version ensures there is no intermixing, even when the finest of grains are being harvested.

Corn header.

Equipped with the corn header the Quantum also impresses with its performance harvesting corn plots.

Corn header performance features:

- Mix-free conveyor belt system
- Stable frame, and robust and proven picking elements
- Loss-free harvesting and uniform, gentle feeding of the harvested material
- Hydraulic adjustment of picker bars in cockpit
- Narrow design so that center plots can be harvested, even with tight spacing between rows

Versions and accessories:

- 2-row: Row spacing of 60 (24") and 75 cm (30") are available. Other row spacing on request.
- Rotadisc chopper (option) ensures clean chopping results.
- Additional equipment for sunflower harvesting (option)



Quantum with corn header



OptiFlow^W threshing unit and cleaning system.

WINTERSTEIGER also offers the result of consistent research and ongoing development in the form of the threshing unit's OptiFlow^W technology. The OptiFlow^W threshing unit impresses with maximum throughput performance – even in difficult conditions such as a high percentage of straw or moisture in the harvested material. The optimized material flow offers improved material flow and higher throughput at the same time.

OptiFlow^W threshing unit performance features:

- Wide threshing drum speed range from 240 to 1680 rpm for gentle threshing of all crops
- Powerful threshing drum with a diameter of 400 mm (15,7")
- Large concave separating area for threshed grain thanks to a large wrap angle (117°) and drum diameter
- Efficient material flow thanks to innovative design and arrangement of the threshing and beater drums
- Fast hydraulic adjustment of the concave with operation and display in the cockpit
- Easy replacement of the concave from the side, without needing to remove the header

Versions and accessories:

- Concaves for all crop types (mesh intervals of 6 to 36 mm)
- De-awner bars for 9 and 12 mm concaves



Easy replacement of the concave

Cleaning system.

The separating and cleaning system with shaker and sieves was adapted to match the threshing unit's performance. The shaker is highly efficient thanks to its long stroke and large drop. Ball bearings in the swing arms of the shaker and sieves guarantee a long service life. Hydraulically driven axial blowers provide the high output necessary for the sieve system, and a laminar airflow in a space saving design. The step with the intermediate rake after the threshing case conveyor belt aids the material separation.

Cleaning system performance features:

- Cleaning system performance adapted to match the threshing system
- Swing arms supported by ball bearings
- Concaves, shakers and sieves available for all crop types
- The sieves are easy to replace and their angle easy to adjust.
- The shaker inserts and sieves are interchangeable.

Versions and accessories:

- GRAEPEL shaker sizes up to 32 mm
- GRAEPEL top sieves ranging from 4 to 32 mm for all crop types, or an adjustable lamella top sieve
- Bottom sieves for all crop types (round hole) ranging from 3 to 20 mm
- Top sieves can also be used as bottom sieves.
- Pneumatic lamella sieve opening (option) for the cleaning cycle
- Grain loss display



Powerful cleaning system



Pneumatic sieve opening

High performance seed logistics.



Grain logistics elements:

- 1 Airfoil separator
 - 2 Weighing system
 - 3 Sample definition
 - 4 Sampler
-
- Transport of the harvested material from the cleaning sieve box upwards
 - Grain separation airfoil separator
 - Weighing system
 - Interface sampler, side-mounted bagging, NIRS
 - Sample definition
 - Pneumatic seed delivery
 - Transport to the grain tank
 - Transport to the sampler
 - Sampler

Separating the grain and air.

Efficient separation of the grain-air mix is crucial for the downstream process steps. Thanks to the patented airfoil separator, the grain can now be separated from the air in a gentle, fast and reliable manner in a compact space saving design. This innovative principle avoids circulating grain and a downward airflow which could influence the weighing results. The same principle is also used in the airfoil separator for the sampler.



Airfoil separator

Grain flow monitoring.

Two built in radar sensors monitor the grain flow in the pneumatic seed delivery system. These sensors reliably detect seeds flowing past. On the one hand, this ensures the operator avoids intermixing between plots and, on the other hand, it helps to optimize the cycle time.



Radar sensor for grain flow monitoring

Bagging the plot.

In 2-man harvesting without harvest data collection, the plot sample is bagged at the side. A double bag holder with a switch lever enables the operators to work quickly and ergonomically. The small, height-adjustable bagging platform is suitable for smaller plot samples of up to about 10 kg. A large platform is available for larger plots. Bagging can also occur in the cab.

If the Quantum is equipped with a harvest data collection and sampling system the entire plot (up to a maximum of 15 kg) or a small sub sample is bagged in the cab. Taking of NIRS measurements is also supported.

Optional ist auch das Absacken kleinerer Mengen seitlich möglich. Probenahme und NIRS-Messung sind dann nicht gleichzeitig durchführbar.



Side bagging

Sample definition.

Sample definition with the Quantum is clear-cut and offers a wide range of options. The harvesting software's "Easy Sample" module is used to predefine what type of sample or what combinations of samples are to be taken.

Defining the sample volume is a simple, manual process that takes place at the side of the machine and does not require any tools. The following sample definition variants are supported:

- Small sample, 200 – 700 ml
- Large sample, 700 – 2000 ml
- Double sample (small and large sample)
- Time-controlled, plot-homogeneous sample (time-dependent quantity)



Sample definition

Sampler.

Sampling is performed in the cab, in line with the sample definition. The operator initiates sampling at the push of a button. Alternatively, a foot switch is available to trigger sampling, thus leaving both hands free for handling the sample. If needed, the operator can enable or disable another sample type for the next plot.

Depending on the configuration, the Quantum has only one (large) or two sample outlets (small and large). Again, the operator can preselect the outlet at which the sample is to be taken.



Sample storage.

The integrated sample storage located between the cab and the grain tank is an innovative and practical solution. It increases the Quantum's effectiveness enormously, without affecting the machine width and stability.

After bagging, the operator puts the samples into a box, which he or she conveniently places on a storage table for this purpose. Boxes of the size 400 x 300 x 210 mm are available. After filling the box, the operator

opens a pneumatically operated sliding door in the rear of the cabin, and deposits the box on the conveyor belt located behind it. The conveyor belt can hold a total of 5 standard boxes. When the conveyor belt is full, the outer side door with rollers is opened, and folded down, so that the boxes can be taken off one by one by actuating the conveyor belt.

It can also accommodate other box dimensions, provided the box does

not exceed 400 mm (16") in width and 220 mm (8") in height.

Filled bags used in the bagging process can also be stored instead of boxes. The bags are deposited directly on the conveyor belt. The procedure for filling and emptying the conveyor belt is otherwise identical.



Integrated sample storage solution



Other performance features and equipment options.

All of the Quantum's components are perfectly matched. In combination with the comprehensive range of available equipment, this results in a high-performance, efficient package. The compact height (2.97 m) allows the machine to be transported and transferred easily without individual components having to be removed.

Motorization.

The state-of-the-art, high-performance and lightweight Volkswagen engine is equipped with a diesel particulate filter and a diagnostics interface. Thanks to the engine's low fuel consumption and the large fuel tank, you can complete a long day's harvesting without refueling!

Grain tank.

The grain tank is filled pneumatically and has a capacity of 1100 liters. The airfoil separating system achieves a high filling level compared to other machines.

Performance features:

- Electronic tank level gage
- Effective unloading height for vehicle heights of up to 3.2 m
- Very short unloading times (unloading speed of 10 l/sec)
- Easy to clean thanks to its floor flap



Grain tank and grain tank unloading

Wide range of accessories (options):

- The powerful 4WD drive system with a differential lock in the longitudinal and transverse directions helps the driver take any slope and obstacle in their stride.
- Terra tires to reduce the ground pressure
- Straw choppers for even distribution of the harvested material across the entire cutting width. The straw chopper can be folded up if not needed.
- Bright LED work lights at the rear, and on the left and right sides
- In addition to the rear-view camera,
- up to 4 additional cameras can be individually positioned on the Quantum.
- A lockable battery disconnecter, an extra-large air tank, and much more.



Straw chopper



Rear-view camera

Suitability for multiple crops.

The WINTERSTEIGER Quantum was strictly designed for today's requirements in seed research, that is, it was designed to be able to handle multiple crops with ease. It therefore offers optimal equipment for any crop, short conversion times for crop changes, and easy cleaning.

Optimal equipment.

- Headers for virtually any crop
- A wide range of concaves and sieves for best possible adjustment to individual crop types
- A wide range of sampling options

Short conversion times.

- Headers can be changed in record time, thanks to an innovative 1-man conversion system.
- Modern, hydraulic couplings that don't leak oil and can be released under pressure
- The concave can be replaced quickly and easily.
- Sieves and shakers can be easily replaced or interchanged with each other.
- The concave distance and threshing parameters can all be hydraulically adjusted easily from the cockpit.



Fast header replacement



Center row threshing in corn (60 cm)



Excellent access

Center row threshing ability. Easy cleaning.

- Center plots of 125 cm can be harvested without restrictions.
- Corn and sunflower plots with 52 cm (24") row spacing or more.
- Generously dimensioned and easy-to-open panels offer excellent access.
- The compressed-air equipment enables the machine to be cleaned quickly between crop changes.

Mobile collection of all your harvest data.

Precise and reliable collection and management of the harvest data takes top priority in field trials. WINTER-STEIGER therefore relies on future-oriented solutions in this area as well. Only state-of-the-art, high-performance systems specially developed for agricultural research are used in our harvesters.

Easy Harvest harvesting software.

Collecting, managing and protecting data have become the focus of the processes of agricultural field trials. Easy Harvest is used on the harvester in connection with a mobile harvesting data system and enables highest precision

weighing and moisture measuring. Above all, Easy Harvest offers the advantages of high operational reliability and allows you to harvest several trials in a field in a single operation.

Your benefits summed up:

Easy and convenient operation

- Clear and user-friendly menu-driven operation in different languages
- Simple creation of field maps and trial arrangements
- Harvesting of several trials in a field in a single operation
- Additional information can be added to the plots as notes
- Precalibrated moisture curves
- Simple import and export of data

High precision, reliability, traceability

- Precise weighing result and moisture measurement
- Integrated sampling control
- Integrated label designer and label printer
- Data protection through backup file (e.g. USB stick)
- Ability to manually control the processes
- Error diagnosis system
- Allows for several users with different rights

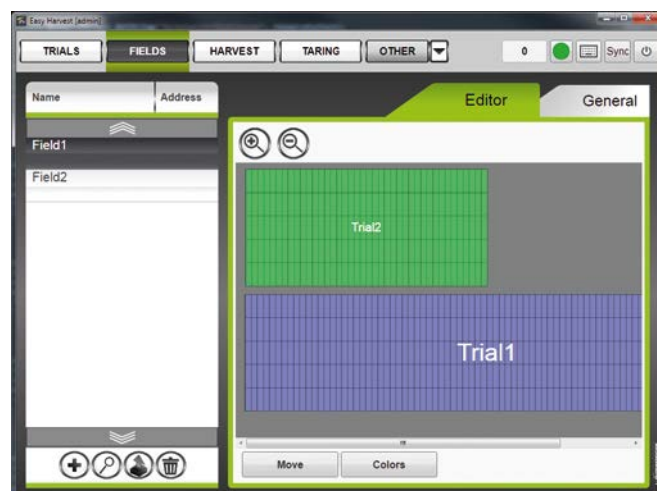
Preparation.

Trials can be either imported or created in the software.

Data can also be synchronized. Fields can be freely arranged and then positioned.



Trial is set up



Trials can be positioned on the field and processed

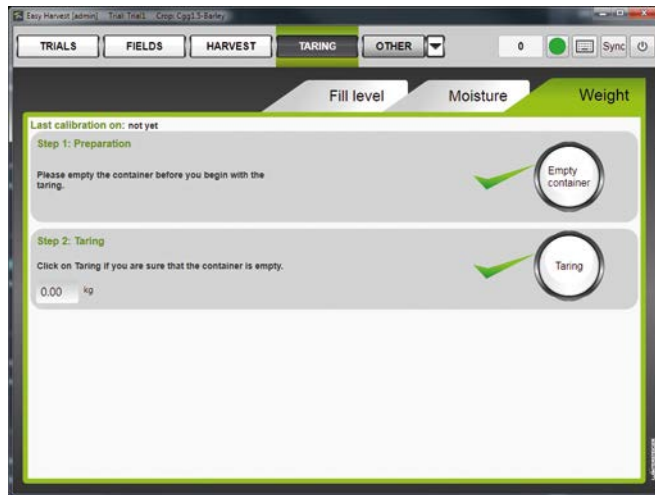
Harvest.

In harvest mode, you can at all times see your position, which plots have already been harvested and the corres-

ponding results. The samples can also be labeled.



Harvest mode



Harvest mode



Simple navigation in the field



Convenient creation of notes

NIR system solution for crop analysis.

The presentation of the harvested material has a significant influence on the quality of the NIR analysis data. The important advantage of the NIR system solution is a result of the controlled passage of the harvested material past the NIR measuring head. This ensures that a representative analysis of the entire plot can be secured. The presentation of harvested material is suited for all kinds of crops from rapeseed to grain and legumes to

corn. Subsequently, the Easy Harvest crop software automatically allocates the NIR analysis information to the respective plot and stores the data.

As a standard, the WINTERSTEIGER NIR system solution is equipped with POLYTEC contact measuring instruments. Other NIR measuring instruments are available upon request.



NIR system solution for crop analysis

High-precision harvest data collection systems.

WINTERSTEIGER offers weighing and data collection solutions that are individually tailored to customer requirements. Here are the opportunities and benefits at a glance:

	Classic GrainGage™	H2 Classic™
System	3 chambers	1 container
Number of weighing cells	3	3
Performance (plot yield x cycle time)	Small and medium plot yields	Small, medium and large plot yields
Evaluation (plot weights of up to 15 kg)	Partial measurements	Individual measurement
Evaluation (plot weights of over 15 kg)	Partial measurements	Multiple measurements
Weight measurement	■	■
Moisture recording	■	■
Moisture measurement to grain moisture	35 %	40 %
Hectoliter weight measurement	■ (Standard)	■ (Standard)
Data transfer to NIR systems	■	■
Use of Easy Harvest harvesting software	■	■
Operation with other harvesting software	■	■
Interface to other databases	■	■
Continuous harvesting of long plots	■ (Standard)	■ (Standard)
Slope and motion sensor to reduce errors caused by vibration or movement of the harvester	■	■
Weighing function for slope gradients of up to	10 %	10 %

Classic GrainGage™.

This harvesting data system is perfectly suited for measuring the weight, moisture and hectoliter weight, and also for plot yields of 900 g or more, where best possible measuring accuracy is required. Best results are achieved by using the Easy Harvest software to deploy field maps, store measured data and export the resulting data.

The sequence is as follows during harvesting:

- The Classic GrainGage™ comprises a 3-chamber system. The first chamber is a holding hopper with a filling level sensor. Moisture and weight measurements are taken in the second and third chambers.
- Once the filling level sensor on the harvesting data system has sufficient material for weighing, the measurement starts automatically in the plot while the harvester is moving.
- At the end of the plot, the remaining material is then weighed.
- The individual sub-weights are added and the mean value of the acquired moisture data and the hectoliter weight are calculated.
- The data is stored on an industrial PC.
- If a sampler is present, labels can be optionally printed directly in the field.
- Manual acknowledgment closes the weighing cycle. You can then continue to harvest the next plot.

Technical data Classic GrainGage™

Weighing system	
Dimensions (W x D x H)	736 x 356 x 533 mm (29 x 14 x 21")
Capacity	3.00 liters – approx. 2.5 kg wheat 1.50 liters – approx. 1.2 kg wheat 0.75 liters – approx. 0.6 kg wheat
Measuring precision	
Weight	Cycle accuracy: +/- 10 g (+/- 0,022 lbs) Plot accuracy (e. g. 6 cycles): max. +/- 60 g (max. +/- 0,132 lbs)
Hectoliter weight	+/- 1.25 kg/HL
Moisture	+/- 0.5 % – 25 % (wet weight basis – ww), +/- 0.9 % – 35 %
Minimal quantity for moisture measurement	At least a full partial weighing, 3.00 / 1.50 / 0.75 liters
Speed	Approx. 4 sec. per partial weighing

We reserve the right to make technical alterations.



Classic GrainGage™



Moisture sensor



Weighing cells

H2 Classic™.

This very compact harvest data collection system is ideal for widespread use with all crop types. It will work equally well with low-volume harvested material and small yields, and large-volume harvested material such as corn. Thanks to the generously dimensioned weighing bucket, the vast majority of plots can be recorded in a single weighing process, which guarantees extremely short cycle times. The wide range of sampling options can also be controlled on the Quantum by using the Easy Harvest software to manage field plans and to store and export collected data.

Performance features

- Fast process times with no stops: Intermediate storage makes it possible to enter the next plot before weighing has even been completed.
- Very fast measuring cycles
- Ultra-precise thanks to optimized vibration compensation
- Automated measuring of the plot weight, moisture level and hectoliter weight / test weight throughout
- Fill-level detection enables automated multiple measurements for large plot yields (> 15 kg, "Strip Mode").

Harvesting sequence:

- The weighing system comprises a weighing bucket, which in turn contains the required sensors for weight and moisture measurement.
- The harvested material is harvested directly into the weighing bucket.
- Once the maximum fill level of the weighing bucket has been reached, the remaining quantity is stored in the intermediate tank and weighed during the next cycle.
- The weighing cycle is actuated manually at the end of the plot by pressing a button.
- In the case of larger plot yields, the component weights are added.
- The data is stored on the on-board computer.
- If a sampler is activated, the sample is taken automatically; labels can be printed right away if desired.

H2 Classic™ technical data

Weighing system	
Dimensions (W x D x H)	380 x 460 x 480 mm (15 x 18 x 19")
Weighing bucket capacity	Approx. 19 liters (0, 54 bu), appr. 15 kg (33 lbs) in wheat
Moisture measurement capacity/ Test weight determination	2.3 liters or 1.2 liters
Measuring precision	
Weight	Cycle accuracy: max. +/- 45 g (+/- 0,1 lbs) Plot accuracy: max. +/- 45 g (+/- 0,1 lbs)
Hectoliter weight	+/- 1.0 kg/HL
Moisture	+/- 0.5 % or grain moisture 0 % – 27 % +/- 1.0 % or grain moisture 27 % – 40 %
Speed/cycle time for 1 weighing process	<= 6 sec

We reserve the right to make technical alterations.



H2 Classic™

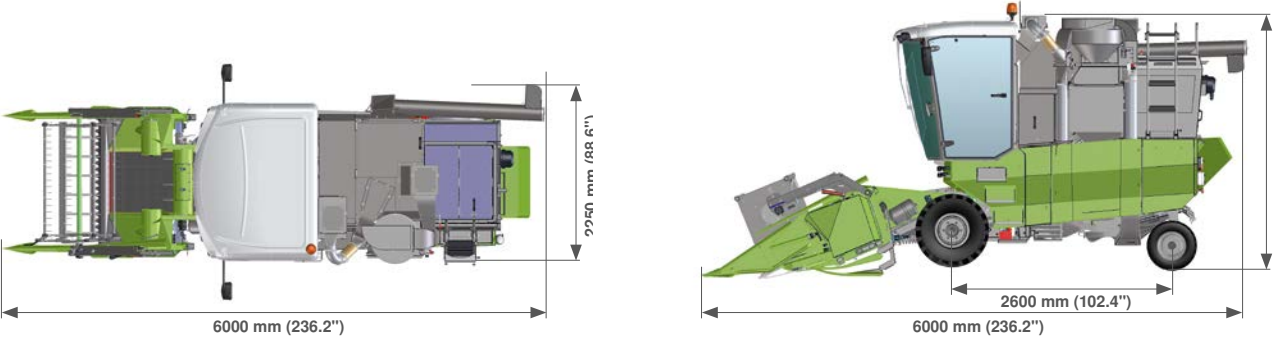
Quantum

Figures. Data. Facts.

Technical data			
Basic machine/engine			
Volkswagen 2.0 l Diesel engine	55 kW (75 HP), 4-cylinder, water-cooled		
Torque	240 Nm		
Fuel tank capacity	100 l		
Range	Approx. 12 hours in harvesting mode		
Ground drive and tires			
Hydrostatic ground drive	2-stage: infinitely adjustable 0 – 12 km/h and 0 – 25 km/h with standard tires		
Steering	Hydraulic		
Front tire variants	For center row threshing	Standard	Terra
Type	250/80-18	285/80-R16	400/55-17.5
Tire width	240 mm (9.5")	298 mm (11.75")	400 mm (15.75")
Track width	1200 mm (48")	1271 mm (50")	1391 mm (55")
External wheel width	1440 mm (57")	1569 mm (62")	1791 mm (71")
Rear tire variants	For center row threshing	Standard	Terra
Type	6.5/80-12	23x8.5-12	23x8.5-12
Tire width	165 mm (6.5")	211 mm (8.5")	211 mm (8.5")
Track width	1163 mm (46")	1183 mm (47")	1183 mm (47")
External wheel width	1328 mm (53")	1394 mm (55")	1394 mm (55")
Ground clearance	250 mm (10")		
Wheel base	2600 mm (102")		
Turning circle	4600 mm (181")		
Header and accessories			
Header	1250 mm (49"), 1500 mm (59"), 1750 mm (69")		
Cutting height adjustment	Hydraulic		
Horizontal reel adjustment	Hydraulic		
Reel	Optionally 4- or 5-part		
Reel speed	15 – 50 rpm		
Cut height	Up to +1050 mm (41")		
Corn header	2-row: 60 and 75 cm (other row spacing on request), optionally with chopper		
Grain collection and transport			
Bagging	Side mounted or in the cab		
Sampling	Dosing container 200 – 700 ml and/or 700 – 2000 ml, additional time-defined samples, single or double sample outlet in the cab		
Grain flow monitoring	Radar sensors in the conveying lines		
Grain tank	700 or 1100 l (20 bu or 30 bu)		
Grain tank emptying speed	10 l/s		
Overhead loading height	3200 mm (10' 6")		
Threshing and Cleaning			
Concave	10 concave bars		
Threshing drum	6 beater bars		
Threshing drum diameter	400 mm (15.75")		
Threshing drum width	800 mm (31.5")		
Concave wrap angle	117°		
Concave adjustment	Hydraulically from the cab		
Concave area	0.35 m² (3.76 sqft)		
Threshing drum speed	240 – 1680 rpm, infinitely adjustable		
Shaker	Cleaning area 1.5 m² (16 sqft) + short preparation floor		
Cleaning sieve	Cleaning surface double sieve: 1.5 m² (17 sqft), gross 1.6 m² Cleaning surface single sieve: 0.75 m² (8.5 sqft), gross 0.8 m²		

Cabin	
Noise level	76 dB(A)
Certification	Tested according to EN 13531
Steering column	Height and tilt adjustable
Air-conditioning system	8 kW
Operation and sequence control	
Operating display	Color display with intuitive operator guidance
Sequence control	Semi- or fully-automatic sequence control with STOP-GO, header and sieve cleaning, weighing and sampling control
Options	
All-wheel drive	4 WD with a longitudinal and transverse differential lock
Integrated sample storage system	For 5 boxes (300 x 400 mm), maximum box size 400 x 600 mm; also suitable for storing bags (approx. 150 l)
Weighing systems	Harvestmaster Classic GrainGage, Harvestmaster H2 Classic
Additional options	Sunflower equipment, NIR system solution, straw chopper, road permit, row crop header, roller mill, grain loss display, working lights, rear-view camera. Other options available on request.
Dimensions	
Dimensions	Length: starts at 5700 mm (225") incl. header with crop divider Width: starts at 1500 mm (59", center row treshing), max. 2250 mm (89") Height: 2975 mm (117")
Weight	Starts at 3950 kg (8700 lbs), incl. cab and header

We reserve the right to make technical alterations.



Success begins with the right decisions.
At the right time. We look forward to you!



WINTERSTEIGER
in field research equipment.

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