





## Intelligent machines for global challenges.

WINTERSTEIGER has established itself at the top of a niche market which will continue to gain significance in future. Agronomists and plant breeders today face the challenge of introducing new developments to make a decisive contribution towards sustainable food and energy supplies for the world.

WINTERSTEIGER supplies the technology needed to do this. The Classic plot combine fulfills all the requirements for a quick, clean harvest, from F3 generation ranges to experimental plots. This ensures optimum conditions for research, breeding, and testing of field crops including specialty crops.

Read the following pages to discover in detail what the global market leader offers you.





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## Classic Plot combine.

### Clean harvesting with modular flexibility.

The WINTERSTEIGER classic plot combine meets all requirements for a quick, clean harvest, from F3 generation ranges to experimental plots.

Thanks to its modular system, the combine is suitable for all harvesting conditions and customer requirements. Its dimensions and low weight make the machine easy to transport.





### Your benefits summed up:

- Best threshing performance combined with maximum cleanness
- Mix-free harvesting thanks to header with conveyor belt and 2 feeding rollers, integrated blower, threshing case conveyor belt and pneumatic seed delivery
- Easy operation thanks to multi-function lever for all driving and harvesting functions, hydraulic steering and hydrostatic drive train
- The wide range of bagging and sampling methods as well as the automatic weighing system with moisture measurement can be adjusted to match customer-specific procedures
- The compact design offers excellent maneuverability and easy transportation





## Basic machine for peak performance.

The WINTERSTEIGER Classic has a hydrostatic drive train with powerful wheel hub motors. The water cooled Perkins diesel engine with 38 kW (52 HP) is designed for maximum performance and operational safety. Speed range: forward/reverse 0 - 16 km/h (0 - 10 mph).

In difficult terrain, an all-wheel drive option with a reinforced rear axle and wheel hub motors can be additionally engaged from the driver's seat.

### Accessories and options:

- Approval for driving on public roads
- Electro-hydraulically controlled differential lock action on the front wheel hub motors can be switched on and off from the cockpit
- Compressor with air hose for cleaning the combine's exterior
- 40 liter air tank additionally available for comprehensive cleaning without running the engine

**The compact design offers excellent maneuverability and easy transportation.**





## Excellent visibility from the cockpit.

The WINTERSTEIGER Classic cockpit convinces owners with a number of benefits, but in particular due to a clear-cut layout of the control panel, easy and simple operation and a wide range of settings accessible from the driver's seat.

On top of this, the cockpit gives the driver a perfect view of all functional areas. The spring mounted, ergonomic seat can be adjusted to match the driver's weight.

Paneling and a special hood protect the driver and operator from noise, dust and heat.



Control panel



Multifunction lever

An optional Stop&Go foot pedal lets you drive and stop the machine without changing the position of the multifunction lever. This simplifies operation and improves the field work.

### All controls and displays are clearly laid out and easily accessible:

- Hydraulic steering
- Hydraulic setting of cutting table and reel height
- Stepless hydraulic reel speed adjustment from 0 - 45 rpm
- Quick stop for cutting table, reel and cutting table conveyor

### The multifunction lever puts all the machine's driving and harvesting controls in your hand:

- Driving operations forward/backward infinite
- Raising/lowering the cutting table
- Raising/lowering the reel
- Reel forward/backward
- Differential lock on/off
- Weighing system plot end

### Accessories:

- Lighting system for road driving
- Lighting system for night work
- Sun roof over the driver's platform
- Roll bar with sun roof over the driver's platform
- Cabin with all-round view and 3-stage fan
- Rotary light
- Approved for road driving



## A variety of headers are available.

### Cutting table with belt feeder.

The cutting table is a combination of a conveyor belt, intake auger and transfer drum. It has proven itself under the most difficult harvesting conditions, such as lodged, heavy, or bulky crops with high moisture levels. Available in cutting widths of 125 cm and 150 cm (49" and 59"). The consistent feed of the plot and the large distance between the cutter bar and the intake auger guarantee minimal seed loss. Side air nozzles on the cutting table guarantee absolutely mix-free harvesting.



Cutting table with belt feeder

#### The cutting table has the following characteristics:

- Mix-free harvesting thanks to fully covered cutting knife and conveyor belt, anti-static rubber conveyor belt and pneumatic clean out system
- Consistent feed and high harvesting capacity
- Fast stop system for the cutting table and reel prevents the intake of foreign objects
- Adjustable cutting skids guarantee an even cutting height
- Excellent harvesting results even in difficult conditions due to crop lifters and extra-long crop dividers

#### Cutting table accessories:

- 2 reel brushes keep grains out of the cutting table without requiring manual cleaning
- Hydraulic horizontal reel adjustment
- Pick-up attachment
- Underbody cladding for cutting table to prevent damage to the conveyor belt by sunflower stalks, bean stubble etc.
- Extra-long crop dividers for perfect splitting of plots with long stem plants
- Crop lifter for harvesting lodged crops
- Vertical cutting unit on the right in place of the crop divider for rapeseed, beet, bean and vegetable plots to minimize losses at the separating lines
- Vertical cutting unit on the left in addition to the vertical cutting unit on the right for harvesting only the center of plots
- Rubber flaps for harvesting peas or beans, preventing overripe or burst crops from rolling or bouncing away, thus preventing losses on the cutting table





## Corn header, 2-row.

- Heavy duty frame with conveyor belt
- For use for 60 - 75 cm (23.6" - 29.5") spacing between rows
- Hydraulic adjustment of picker bars
- with distance indicated at drivers platform
- Easily removable plastic covers and snouts



Corn picking header 2-row

## Sunflower attachment.

- Wide divider points with narrow inlets for low-loss, unobstructed intake of thick stems and large crops
- High side sections for precise separation from adjacent plots
- Row-independent
- Very strong construction



Sunflower attachment

## Row-Crop-Header.

**For high-performance and clean harvesting of soybeans in rows.**

- Handling of the harvested crop without damaging the seeds due to intake conveyor belts and transport conveyor belt
- Mix-free thanks to conveyor belt and sealing of corners and edges
- Minimal seed loss
- Operator-friendly thanks to stepless hydraulic adjustment of intake speed and cutting height
- Emergency stop avoids intake of foreign particles
- Row spacing 75 cm (30") (other row spacing on request)
- Low cutting height



Row-Crop-Header

# Mix-free, gentle pneumatic seed transport.

**WINTERSTEIGER offers the right equipment for the job on hand:**

## Side mounted bagging, left-hand side.

Fully pneumatic seed delivery for 2 person harvesting operation with adjustable blower, injector sluice, cyclone and double-bag holder. This bagging option works completely mix free and is gentle to the seeds.

### Accessories:

- Additional platform for bagging
- Seat for additional platform



Side mounted bagging, left-hand side

## Grain tank.

Capacity: 400 liters, with pneumatic seed delivery and unloading auger. Grain can be bagged or transported to a grain tank by operating a switch valve. After removing the bottom flap with snap locks you can clean the grain tank easily and thoroughly.



Grain tank

## Skid bagging at sides.

A skid with 8 hoppers is attached at the side of the machine. Each hopper holds 30 liters and can be filled with the material harvested in a single plot. The hopper is changed at the press of a button. When all hoppers are filled, the skid is lowered. Two skids are included in the basic scope of delivery.



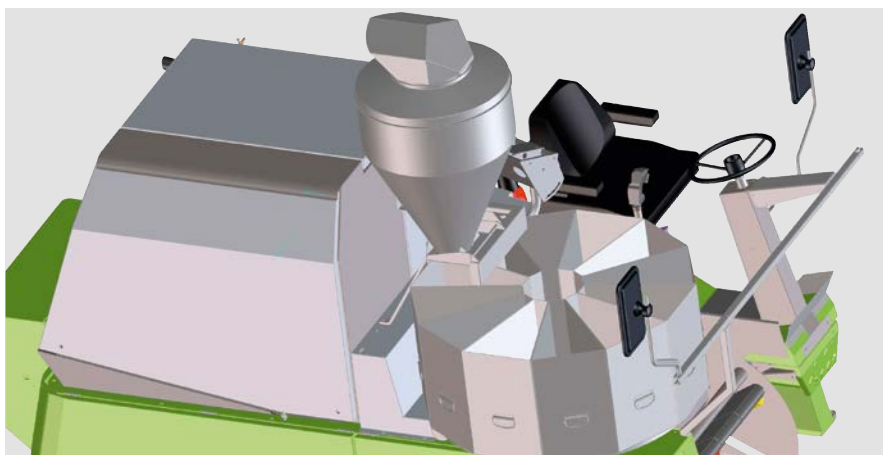
Skid-based bagging at sides

## Carrousel bagging.

A carrousel is mounted to the right of the driver's seat with either 8 (45 l content), or 12 (30 l content) hoppers for one person operation. The driver is moving the carrousel by pushing a button to harvest the next plot.

## Top mounted bagging, right-hand side.

Next to the driver's seat with pneumatic seed delivery, adjustable blower, injector sluice and cyclone.



Carrousel bagging with 12 hoppers



## Sampling with adjustable volume.

The following sampling options are possible in conjunction with the weighing system:

- Side mounted sampler on the combine (0 - 1000 ml) (2-man harvesting method)
- Sampler mounted next to driver's seat for 450 or 900 ml (1-man harvesting method)



Side mounted sampler (2-man harvesting method)



Sampler mounted next to driver's seat (1-man harvesting method)

## Mix-free and clean harvesting.

- 1 In-take auger
- 2 Feeder roller
- 3 Conveyor belt
- 4 Threshing drum
- 5 Concave
- 6 Transport belt
- 7 Shakers



Conveyor belt, feed drum, feed roller, threshing drum, shaker, cleaning sieve, screening device, fan – perfect synchronization of critical components combined with pneumatic grain feeding guarantee mix-free and excellent threshing performance

# Perfect threshing for a clean harvest.

Tried and trusted threshing technology guarantees clean sample, best straw through put and thanks to the pneumatic seed delivery system a mix free sample. Controls and adjustments are carried out from the driver's seat

## A high level of purity of the harvested sample is guaranteed by:

- Various shakers and cleaning sieves
- Optimum distribution of air at the cleaning sieve
- Air deflector plates on the cleaning sieve
- Specific air distribution in the blower

Perfect threshing technology guarantees clean results even in the most difficult harvesting conditions.

## Threshing drum drives.

### Threshing drum variator with threshing drum reversing mechanism:

The threshing drum variator enables steplessly adjustable speed from 330 - 2100 rpm. A digital display indicates the threshing drum speed. Benefits: Simple adjustment to suit a variety of crops and harvesting conditions, producing a perfect yield even in damp, difficult conditions.



Threshing drum variator

The distance between the concave and threshing drum and the concave angle are displayed on a scale.

### Sprockets:

The following speeds are possible with different combinations of sprockets and roller chains: 160, 220, 280, 470, 675, 850, 1045, 1320 and 1890 rpm.



Threshing drum reversing mechanism

## Shakers.

One step shaker with guide plates and conveyor comb guarantees that straw is well loosened and it works well on slopes. The quick-change system enables the shakers to be replaced quickly and easily. The graepel type shaker with two adjustable strokes provides best seed separation. The cleaning fan speed is adjustable to provide a high quality sample. Shaker sizes: 6, 10, 14, 20, 28 mm.

## Cleaning sieves.

- Graepel type sieve, 2 minute change time. Shaker sizes: 4, 6, 8, 12, 16, 20, 24 and 28 mm
- Small adjustable sieve from 4 - 20 mm, large adjustable sieve from 16 - 30 mm

## Concave cassettes.

The patented cassette system enables the concave to be changed quickly by removing the concave to the side without removing the header. The following concave cassettes are available: 6, 9, 12, 18, 24 and 36 mm. There are also three de-awner bars for the concaves (9 and 12 mm).

### Options:

- Spiked drum and concave for rice
- Rubberized beater drum for beans



Concave cassettes



Shaker and cleaning sieve



# Mobile collection of all your harvest data.

WINTERSTEIGER also places an emphasis on future-oriented solutions in the field of mobile data collection. Only state of the art systems specially developed for agricultural research are used in our harvesting machines.

**Automatic harvest data logging takes the following parameters into consideration (depending on the harvesting data system):**

- Plot weight with maximum precision up to a slope of 10 %
- Moisture content of harvested material
- Volumetric weight

## 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

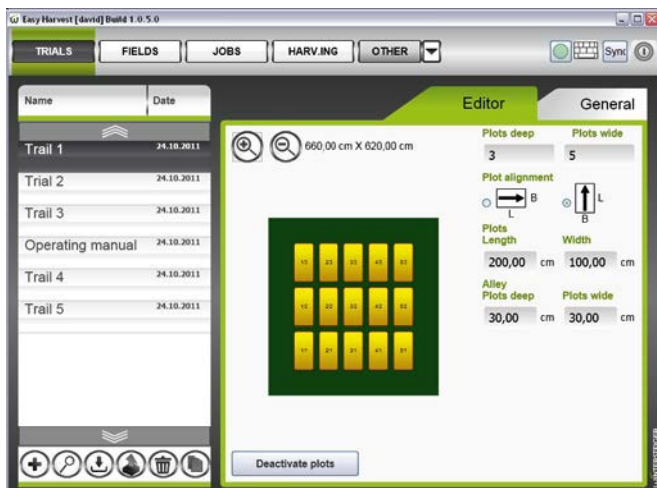
#### High precision, reliability, traceability

- 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

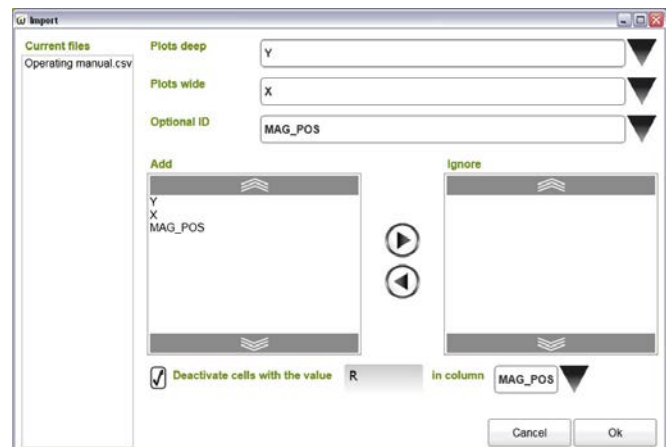
### Preparation.

Trials can be either imported or created in the software.

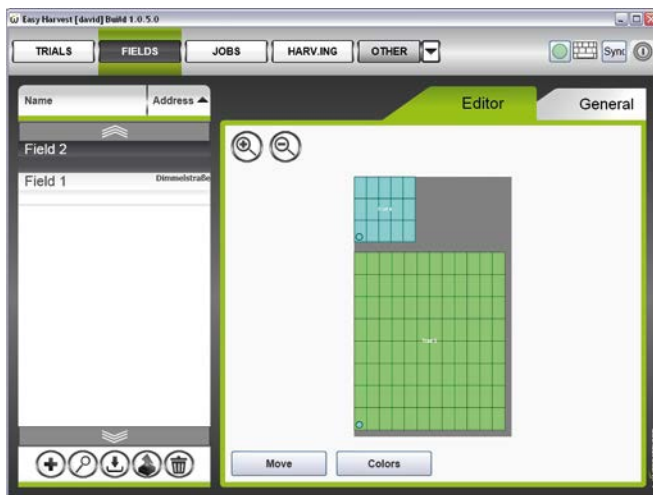
Data can also be synchronized. Fields can be freely arranged and then positioned.



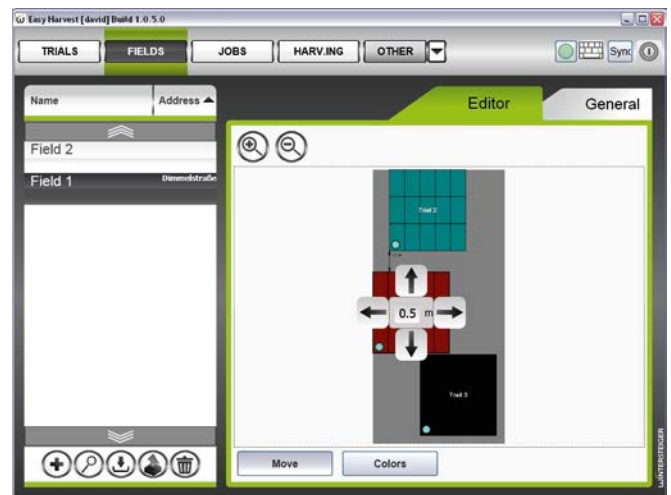
Trial is set up



Trials and field maps can also be imported



Several trials can be arranged in a field and then positioned



## Harvest.

In harvest mode, you can at all times see your position, which plots have already been harvested and the corresponding results. The samples can also be labeled.



Simple navigation in the field

## Data export.

The data can be either synchronized or exported as a CSV file for further processing.

	A	B	C	D	E	F	G	H
1	Reihen	Spalten	Gewicht	Feuchtigkeit	Datum	Time	Lfd. Nr	CustomId
2	1	1	6,165	10,6	03.09.2011	10:27:18	1	195101
3	1	2	6,251	12,2	03.09.2011	10:42:44	2	195102
4	1	1	5,472	10,7	03.09.2011	10:53:08	1	195101
5	1	1	7,823	12,8	03.09.2011	11:28:35	1	195101
6	1	2	7,413	14,1	03.09.2011	11:29:46	2	195102
7	1	1	6,057	15,7	03.09.2011	11:33:24	1	195101
8	1	2	5,318	16,1	03.09.2011	11:36:14	2	195102
9	1	3	4,328	15,1	03.09.2011	11:44:14	3	195103
10	2	1	5,328	14,3	03.09.2011	11:53:45	4	192001
11	2	2	7,072	11,1	03.09.2011	11:57:53	5	192026
12	2	3	6,284	12,5	03.09.2011	11:58:59	6	192051
13	3	1	5,671	12,7	03.09.2011	12:01:53	7	192002
14	3	2	6,165	11,7	03.09.2011	12:02:56	8	192027
15	3	3	6,251	12,1	03.09.2011	12:04:13	9	192052
16	4	1	5,472	10,6	03.09.2011	12:05:14	10	192003
17	4	2	7,823	12,3	03.09.2011	12:07:01	11	192028
18	4	3	6,585	11,3	03.09.2011	12:10:04	12	192053
19	5	1	6,211	12,1	03.09.2011	12:11:10	13	192004
20	5	2	3,679	11,3	03.09.2011	12:12:01	14	192029
21	5	3	6,994	13	03.09.2011	12:13:34	15	192054
22	6	1	5,315	12,7	03.09.2011	12:14:18	16	192005
23	6	2	6,917	13,4	03.09.2011	12:15:01	17	192030
24	6	3	7,418	12,1	03.09.2011	12:15:58	18	192055
25	7	1	6,391	10,7	03.09.2011	12:16:59	19	192006
26	7	2	5,21	11,5	03.09.2011	12:17:39	20	192031
27	7	3	8,316	11,3	03.09.2011	12:18:42	21	192056

## Mobile harvesting data system Classic GrainGage™.

This harvesting data system is perfectly suited for measuring the weight, moisture and hectoliter weight. In addition to this, in case of plot yield of 900 g or more where best possible measuring accuracy is required, and when deploying the software Easy Harvest for application of field maps, storing measured data, and exporting 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
- Optional label printer to print label directly in the field
- Manual acknowledgment closes the weighing cycle. You can then continue to harvest the next plot



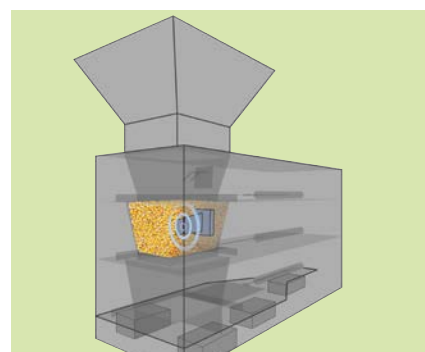
## Your benefits summed up:

- **Precision electronics:** The new HM800 electronics link the weight and moisture sensors by means of a CAN bus data line. The core of the new data collection system is the „HM800 Analog and Actuator Module“. This avoids the need for long or bulky cables
- **Slope and motion sensor:** Improves weighing precision and reduces errors caused by vibrations and the harvester moving. This enables weighing while the harvester is moving through the plot and measurements on slopes of up to 10 %
- **Moisture sensor:** Highly precise measurements are possible even for high levels of moisture (up to 35 %). The mean values of the sub-samples provide representative results
- **Continuous harvesting** of long plots is supported
- Use of **Easy Harvest Software**

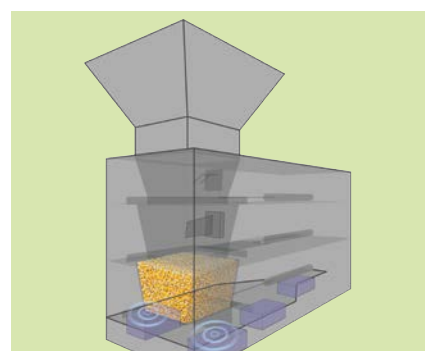
## Technical data

Weighing system	
Dimensions (W x D x H)	736 x 356 x 533 mm
Weight	45 kg
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
Grain discharge opening	152.4 x 215.9 mm
Grain inlet opening	114.3 x 190.5 mm
Actuator	Precision pneumatics
Measuring precision	
Weight	+/- 0.4 % Full Scale or +/-10 g absolute per weighing
Hectoliter weight	+/- 0.68 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
HM 800 Electronic	
Protection class	Water and dust proof to IP67
Operating temperature	-20°C to +50°C
Power supply	9 - 17 V DC
Interface	CAN Bus – 4 wire
Connection	Con X all connectors

We reserve the right to make technical alterations.



Moisture sensor



Weighing cells



## Mobile harvesting data system Single High Capacity GrainGage™.

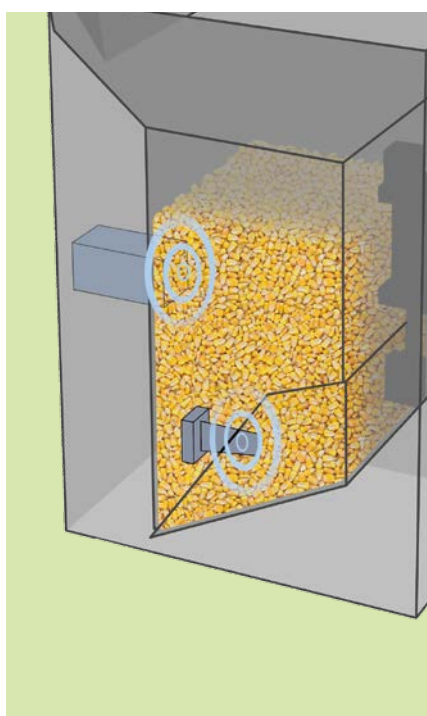
This harvesting data system is perfectly suited for weighing in situations where a large volume of harvested material needs to be weighed (e.g. maize/corn), for moisture measurements when rapid weighing cycles with high yields are required, and when using the software Easy Harvest for field map deployment, storage of acquired data and data export of the results.

### The sequence is as follows during harvesting:

- The weighing system comprises a weighing bucket, which in turn contains the required sensor for weight and moisture measurement
- The harvested material is harvested directly into the weighing bucket
- The weighing cycle is triggered manually at the end of the plot by pressing a button
- The data is stored on an industrial PC
- Optional label printer to print label directly in the field
- Additionally, this weighing system has a countdown timer to determine the optimal weighing point

### Your benefits summed up:

- The **single-chamber system** guarantees a fast cycle time
- **Precision electronics:** The new HM800 electronics link the weight and moisture sensors by means of a CAN bus data line. The core of the new data collection system is the „HM800 Analog and Actuator Module“. This avoids the need for long or bulky cables
- **Slope and motion sensor:** Improves weighing precision and reduces errors caused by vibrations and the harvester moving. This enables weighing while the harvester is moving through the plot and measurements on slopes of up to 10 %
- **Moisture sensor:** Highly precise measurements are possible even for high levels of moisture
- **Continuous harvesting** of long plots is supported
- Use of **Easy Harvest Software**



Moisture and weight measurement in HCGG

### Technical data

Weighing system	
Dimensions (W x D x H)	508 x 483 x 560 mm
Weight	46 kg
Capacity	Approx. 20 kg maize
Grain discharge opening	457 mm
Actuator	Precision pneumatics
Measuring precision/speed	
Weight	+/- 80g absolute
Hectoliter weight	+/- 1.2 kg/100 l for over 95 % of samples
Moisture	+/- 0.5 % to 25 % (wet weight basis - ww), +/- 0.9 % to 35 %
Minimum quantity for moisture content measuring	Approx. 7 liters Approx. 2 liters with "HCGG Insert" (baffle insert)
Speed cycle time	Approx. 6 sec. – System ready / data recorded
HM 800 Electronic	
Protection class	Water and dust proof to IP67
Operating temperature	-20°C to +50°C
Power supply	9 - 17 V DC
Interface	CAN Bus – 4 wire
Connection	Con X all connectors

We reserve the right to make technical alterations.



# Classic

## Figures. Data. Facts.

### Technical data

<b>Basic machine/engine</b>	
<b>Perkins Diesel engine 2.2l</b>	38 kW (52 HP), water-cooled
<b>Tank capacity</b>	45 l
<b>Drive train and tires</b>	
<b>Hydrostatic drive train</b>	Stepless 0 - 16 km/h (0 - 10 mph), approx. 10 km/h (6.2 mph) with all-wheel drive engaged
<b>Steering</b>	Hydraulic
<b>Front tires = driving axle</b>	31 x 15.50 - 15 (40 cm wide) 29 x 12.50 - 15 (30 cm wide) 10.0/75 - 15.3 AS (25 cm wide) 7.50 - 16 AS (20 cm wide)
<b>Rear tires = steering axle</b>	6.50/80 - 12 (17 cm wide) 23 x 8.50 - 12 (21 cm wide)
<b>Driving axle track width</b>	1150 - 1350 mm (45.3" - 53.2") depending on tires
<b>Steering axle track width</b>	1165 - 1175 mm (45.9" - 46.3") depending on tires
<b>Foot brake</b>	Hydrostatic
<b>Parking brake</b>	Graduated multiple disk brake
<b>Ground clearance</b>	190 - 250 mm (7.5" - 10")
<b>Wheel base</b>	2320 mm (91")
<b>Cutting table and accessories</b>	
<b>Cutting table with belt feeder</b>	1250 mm, 1500 mm (49", 59")
<b>Cutting height setting</b>	Hydraulic
<b>Reel adjustment</b>	0 - 45 rpm hydraulic
<b>Reel</b>	4- or 5-part
<b>Crop divider, extra long</b>	Optional: left and right
<b>Crop lifter</b>	5 or 6, depending on the width of cut
<b>Grain collection and transport</b>	
<b>Bagging</b>	Side mounted bagging left, top mounted bagging, right-hand side
<b>Grain tank</b>	400 liters (11 bu)
<b>Weighing system</b>	Optional
<b>Threshing and cleaning</b>	
<b>Concave</b>	8 concave bars
<b>De-awner bars</b>	3 de-awner bars
<b>Threshing drum diameter</b>	350 mm (13.8")
<b>Threshing drum width</b>	785 mm (30.9")
<b>Speed adjustment</b>	By means of variator: 330 - 2100 rpm stepless By means of sprockets: 160 - 1890 rpm in stages
<b>Beater bars</b>	6
<b>Shakers</b>	2 stroke lengths, sizes: 6, 10, 14, 20, 28 mm, area: 1.6 m <sup>2</sup> (17 sqft)
<b>Slop guides</b>	2
<b>Cleaning sieve</b>	Sieves: 4, 6, 8, 12, 16, 20, 24, 28 mm Adjustable sieve small: 4 - 20 mm Adjustable sieve large: 16 - 30 mm Cleaning sieve: 0.65 m <sup>2</sup> (7 sqft)
<b>Cleaning blower</b>	650 to 1500 rpm Mechanical variator adjustment
<b>Options</b>	Air tank
<b>Compressor</b>	10 l air tank, 40 l additional tank (option)
<b>Dimensions</b>	
<b>Dimensions</b>	Length: 5150 mm (203") Width: as of 1835 mm (72") Height: as of 2260 mm (87")
<b>Weight</b>	As of 2000 kg (4400 lbs)

We reserve the right to make technical alterations.

## Special versions.

### Classic for fine seeds and grass threshing.

- Additional side door in the threshing case for cleaning of the conveyor belt
- Antistatic conveyors in threshing case and on cutting table guarantee best mix-free harvesting
- Additional opening for easier access to the beater drum and for quicker clean out/blow out of the basic machine
- Precise finish of all corners, edges and rivets in the fine seed version guarantees best mix-free harvesting
- Special intake auger finger guide for mix-free intake
- Scraper for cleaning header and threshing case conveyor on the inside

### Classic with full track system for rice harvesting.



- Track width: 1350 mm (53")
- Track belt width: 350 mm (14")
- External width full track system: 1700 mm (67")
- Internal width full track system: 1000 mm (40")

Other sizes available on special request.

### Car trailer for transport on public roads.



Two aluminum drive-up ramps are stored on the trailer to enable fast loading and unloading. The aluminum side walls with sunk fastenings fold down and are removable. The automatic tow coupling has both an overrun brake and an automatic reverse function.

**With its numerous options, WINTERSTEIGER is ready more or less for any challenge.**

#### Technical data

<b>Loading area (L x W x H)</b>	5100 x 2100 x 350 mm (200.8" x 82.7" x 13.8")
<b>Load height</b>	770 mm (30.3")
<b>External dimensions</b>	Overall length: approx. 6400 mm (252") Overall width: approx. 2160 mm (85")
<b>Drive up ramp (pair)</b>	Length: 3000 mm (118") Load bearing capacity: 2800 kg (6170 lbs)
<b>Payload</b>	2750 kg (6060 lbs)
<b>Permitted total weight</b>	3500 kg (7715 lbs)

We reserve the right to make technical alterations.



# Classic ST

## Stationary combine.



The Classic ST has the same premium quality technology as the WINTERSTEIGER Classic. The changeable concaves, shakers and cleaning sieves support deployment with any threshable crop. Pneumatic seed delivery and the plot clean out system guarantee mix-free threshing and fast clean out of the combine. As it is mounted on a trailer chassis with generously dimensioned tires and drum brakes, the combine can be easily transported between locations.

The machine is fed by means of a long or short in-feed table with conveyor belt to support a constant flow of material to the threshing drum.

The combine is driven either by a diesel engine or by an electric motor and is thus suitable for uses in closed rooms. Alternatively, the electrical version can be powered by a PTO-driven generator.



Classic ST mounted on car trailer

### Technical data

#### Basic machine/drive train

<b>Kubota diesel engine</b>	15 kW (21 HP), 900 ccm 3 cylinder water cooled
<b>Tank capacity</b>	45 l
<b>Electric motor</b>	11 kW, 380 – 450 V, 23 A, 50Hz
<b>PTO mode</b>	540 rpm

#### Header

<b>Short header table</b>	With conveyor belt
<b>Long header table</b>	With conveyor belt (not available for car trailer model)

#### Grain collection and transport

<b>Bagging</b>	Side mounted bagging, left-hand side
<b>Weighing system</b>	Optional

#### Threshing and cleaning

<b>Concave</b>	8 concave bars
<b>De-awner bars</b>	3 de-awner bars
<b>Threshing drum diameter</b>	350 mm (13.8")
<b>Beater bars</b>	6
<b>Threshing drum width</b>	785 mm (30.9")
<b>Speed adjustment</b>	By means of variator: 330 - 2100 rpm stepless By means of sprockets: 280 -1880 rpm in stages
<b>Shakers</b>	2 stroke lengths, 287 double strokes/min Sieves: 6, 10, 14, 20, 28 mm Area: 1.6 m <sup>2</sup> (17 sqft)
<b>Slope guides</b>	2
<b>Cleaning sieve</b>	Sieves: 4, 6, 8, 12, 16, 20, 24, 28 mm Adjustable sieve large: 4 - 20 mm Adjustable sieve small: 16 - 30 mm Cleaning sieve: 0.65 m <sup>2</sup> (7 sqft) 4 stroke lengths
<b>Cleaning blower</b>	650 to 1500 rpm Mechanical variator adjustment

#### Options

<b>Weighing system</b>	Harvestmaster Classic Grain Gage
<b>Grain tank</b>	400 l, with slider for emptying
<b>Compressor</b>	10 l air tank, 40 l additional tank (option)

Dimensions	2-axle chassis	Car trailer
<b>Dimensions</b>	Length: 4050 mm (159") Width: 1850 mm (73") Height without cyclone: 2000 mm (79") Height with cyclone: 2350 mm (93")	Length: 5150 mm (203") Width: 2170 mm (85") Height without cyclone: 2350 mm (93") Height with cyclone: 3200 mm (126")
<b>Tires</b>	7,0/85-10	185 R 14 C
<b>Track width</b>	1270 mm	1940 mm
<b>Weight</b>	1100 – 1300 kg (2425 - 2866 lbs)	1500 - 1800 kg (3307 - 3968 lbs)
<b>Speed</b>	20 km/h	80 km/h

We reserve the right to make technical alterations.

# WINTERSTEIGER After Sales Service. The delivery is just the start of our service.

**The best time to evaluate the quality of an investment is several years after delivery.  
That is why WINTERSTEIGER has set up a worldwide After Sales Service.**

## **Commissioning and training**

WINTERSTEIGER ensures both with its experts worldwide and of course on site.

## **Proactive maintenance**

Maintenance and preventive exchange of pre-defined parts subject to wear and tear at pre-set times eliminate problems before they arise. For example, during our customers' annual holiday to keep maintenance costs as low as possible.

## **On-Call-Help-Desk**

This service underlines our high claims for service for our partners worldwide. It ensures first class support even outside our own hours of business.

## **Strong customer service team**

A large team of extremely well trained service staff provides comprehensive care for:

- Installation and commissioning
- Training
- Preventive maintenance
- Conversions
- Modifications
- Clearing faults
- Repairs
- Support
- Rapid supply of replacement parts

## **Advice services**

- Advice from experts on technical equipment for research facilities
- Participation at international seed breeding symposia
- Arranging contacts with experts
- Advice from agricultural consultants in the definition and implementation of projects and technology transfer



## **Intensive guidance and training courses**

WINTERSTEIGER regularly holds guidance and training courses for operating staff, either directly on site, in our original building in Austria or one of our agencies around the world. They are the basis for perfect mastery of the machines and an uninterrupted harvest. This helps avoid down time and saves costs. Both WINTERSTEIGER service engineers and the service engineers from our agencies receive ongoing training and product information about new developments.



# Those who sow also harvest with WINTERSTEIGER.

**WINTERSTEIGER has positioned itself at the peak of a niche, which will become more critical in the future. Today, agricultural field research is challenged with providing significant contributions for a lasting food and energy supply to the world through new developments. WINTERSTEIGER provides the necessary technology.**

Uniquely designed products offer a range, which covers the entire cycle of field research from the sowing to the harvesting:

## ■ Sowing

Precision spaced planters, plot drills, single row seeders and plot tractors for the front and rear planting with seed machines

## ■ Fertilization and plant protection

Fertilizer distributors, field sprayer and hand-pushed plot sprayer

## ■ Data collection

Field PC's for mobile data acquisition

## ■ Harvesting

Plot combines, stationary combines and forage harvester

## ■ Laboratory analysis

Laboratory thresher, laboratory corn sheller, seed dresser, sample chopper and sample divider



Plot combine Split



Precision spaced planter Dynamic Disc



Plot combine Delta



Laboratory thresher LD 350

As complete provider in agricultural testing, WINTERSTEIGER proves itself as strong partner for customers in various fields:

- Agricultural Universities and research centers
- Agricultural ministries and their departments for plant breeding
- National and international institutes for development projects

- National and international companies that research in the field of plant breeding
- Service companies that test for research companies

Precious seed deserves a careful harvest.





# WINTERSTEIGER. A Global Player.

**WINTERSTEIGER AG is a special-purpose machine builder based in Upper Austria and has concentrated on niche markets since its foundation in 1953.**

The internationalization of the markets and the technological revolutions have become the deciding factors in the global competition. WINTERSTEIGER has always considered such

challenges opportunities and has taken advantage of them. This has resulted in continuous growth, which is further ensured by the innovative power of its employees and driven

through strategic acquisitions. In this way we succeeded in providing the optimal conditions for long-term and stable partnerships with our customers.

## ■ Business Unit SEEDMECH

- Turnkey solutions for plant breeding and research

## ■ Business Unit SPORTS

- One-stop supplier for ski and snowboard rental and servicing
- Systems for hygienic drying of sports goods and work clothes
- Fit-optimizing solutions and individual sports shoe adjustments

## ■ Business Unit WOODTECH

- Process solutions for precision thin-cutting, wood repairs and cosmetics
- Saw blades for wood and food

## ■ Business Unit METALS

- Levelling technology machines and systems (KÖHLER Maschinenbau GmbH)
- Machines for the automatic deburring of sheet metal (Paul Ernst Maschinenfabrik GmbH)

## ■ Business Unit AUTOMATION

- Plants and automation solutions for industrial manufacturing companies (VAP Gruber Automations GmbH)

- 21 subsidiaries
- 60 representatives
- Sales to 130 countries
- 90 % export share
- Global market leader in SEEDMECH, SPORTS and WOODTECH



Company head offices at Ried im Innkreis, Upper Austria

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



**WINTERSTEIGER**  
Worldwide No.1  
in field research equipment.

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