

POTATO TECHNOLOGY
BEET TECHNOLOGY
VEGETABLE TECHNOLOGY

GRIMME

EVO 290

2-row, off-set trailed potato harvester with 9 t bunker



EVO 290

Special features at a glance:

Ergonomic picking platform

provides a comfortable workplace for up to seven people

GBT 817 Operator terminal on the picking table

allows users to change important functions directly at the picking platform

9-ton bunker (standard)

the largest bunker on a trailed potato harvester

Bunker head lowering (option)

ensures gentle crop transfer into the transport trailer

5.5-ton NonstopBunker (option)

allows nonstop digging and highest gentle crop handling during overloading by using the whole bunker volume. An increased output of up to 30 % is possible compared to standard bunker.

Operating interface GDI (standard)

new intuitive, clearly structured user interface with easy-to-use symbols on the operators terminal CCI 50 (standard) or on CCI 1200 (option). Multi-functional lever available on request

Visual Protect (option)

facilitates an all-round function monitoring of your harvester

MemoryControl (standard)

to easily save and "re-use" specific harvest parameters

Speedtronic (option)

load dependant and fully automatic speed control system for the separators and picking table

Connection to myGRIMME (standard)

Machinery data and location parameters can be transferred to the web-based customer portal myGRIMME on request



1st separator with scraper rollers

for an efficient separation of haulm residues and small clods

2nd separator

- ClodSep-separator for best separation on cloddy soils
- EasySep-separator for light soils with small trash proportion

Tri axle 3 wheel chassis (standard)

up to 65 % increased contact area compared to conventional harvesters with constant manoeuvrability. Wheel drive and tyres up to 1000/50 R25 are available as an option.

Automatic levelling (standard)

For optimum use of the sieving areas also on slopes

VarioDrive (option)

the stepless, power split transmission for the main webs

Intake web (option)

for even more sieving performance on heavy soils, includes the option VarioDrive

2nd main web with deviner web

for efficient separation of potatoes and haulm

Automatic self-centre steering (standard)

supports the operator with an accurate row guidance of the machine on the ridge

Hydraulic ridge relief (standard)

avoids ridge compacting by reducing the pressure on the ridge

TerraControl (option)

avoids compacting of the ridges and keeps the digging depth on a constant level

TerraDisc (option)

disc coulter intake for heavy soils, without diablo rollers

Intake

Potatoes and vegetables

In addition to the standard diablo roller intake, a windrow intake with quick-change frame is available as an option. A through typed share for vegetables is also available.

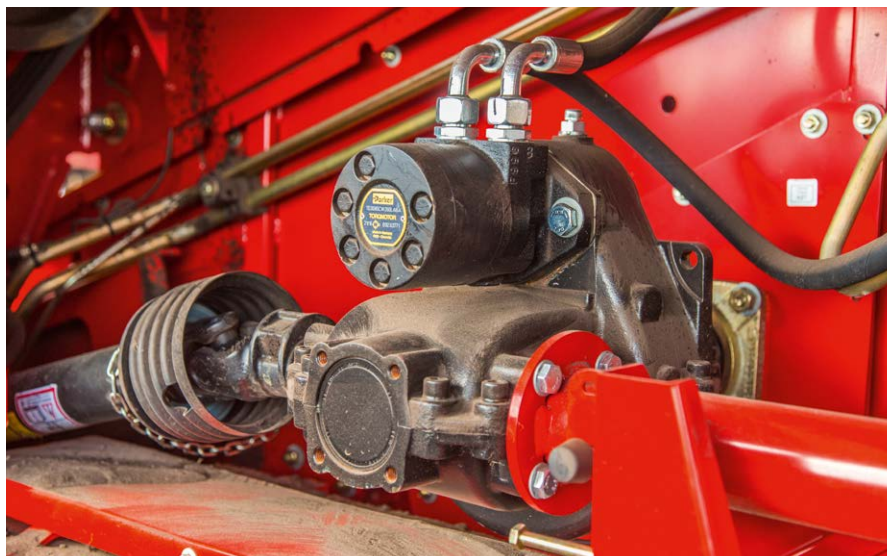


Optimum speed

Main web drive

In addition to the standard direct drive, a 3-step gearbox or a continuously variable drive, called VarioDrive, is available on request.

VARIO
Drive



Share blades for all conditions

There are 2- and 3-blade versions as "normal" or long blade available. A mechanical stone protection for share blade is available (option)

A centre share can be used for operation of the harvester in beds or in enhanced harvesting process.



Exact guidance

Diablo roller intake unit

The intake unit that has been tried and trusted many times, consists of large-dimensioned spring mounted disc coulters and haulm feed-in rollers. As an option up to 4 disc coulters can be hydraulically driven.



Ridge pressure and constant digging depth

TerraControl

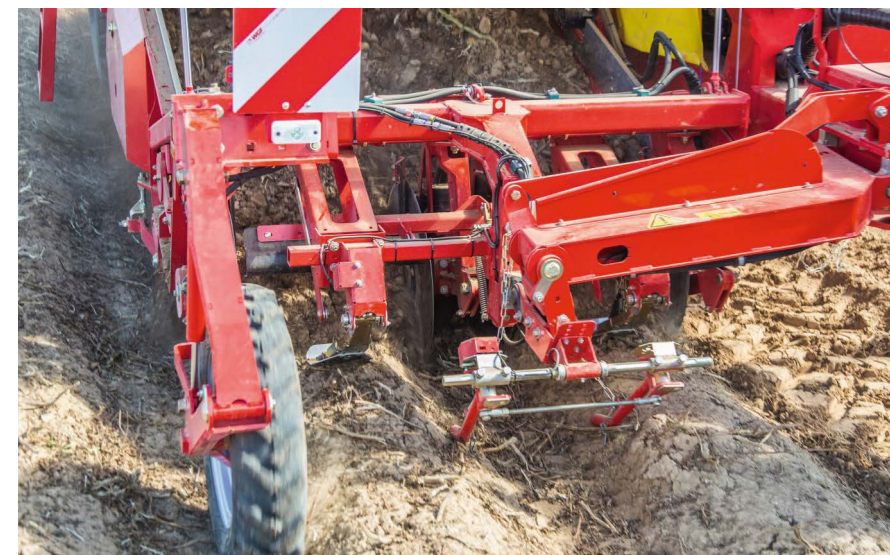
TerraControl avoids compacting of the ridges with a constant ridge pressure and keeps the digging depth on a constant level under all digging conditions.



Digging without blockage

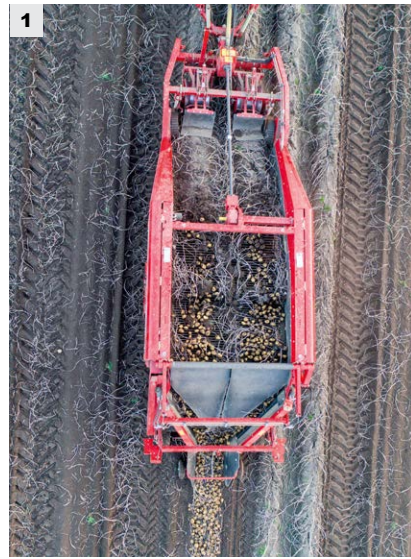
TerraDisc

TerraDisc is the name for the disc coulters intake unit without diablo rollers, with depth control via skids. TerraDisc is especially suitable for heavy soils, as it does not compact the ridges.



Windrowing

To increase the quality of the crop (e.g. potatoes (1) or onions (2)), windrower are used. The crop is extracted from the ground before the windrower deposits the potatoes or onions on the surface.



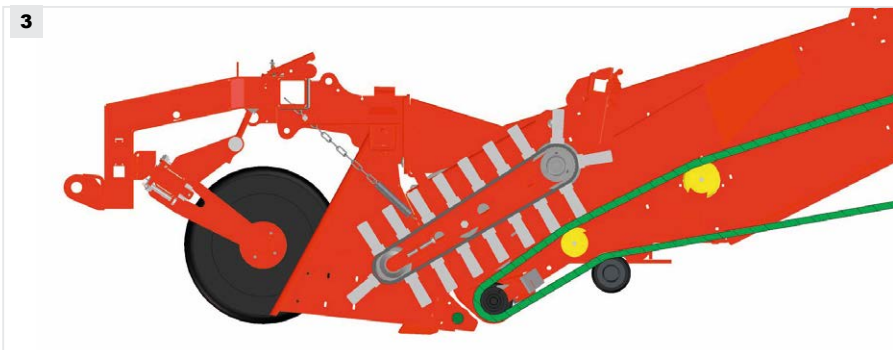
Versatile & useable

Windrow intake

The windrow intake includes a digging shaft in front of the main web and a hydraulically driven brush web. This transfers the crop gently into the windrower. The windrower intake takes only the minimum of soil into the machine. For a narrow, small swath (i.e. in case of a smaller yield) a 90 cm wide brush is available (1).

For high yielding crop and wide swath a 150 cm wide brush is available (2).

A proven quick change system is integrated for the conversion from windrow intake (3) to standard diablo roller intake (4).



Highest sieving performance

Main webs

In addition to the two standard main webs, an additional intake web is available (option) for heavy soils, when high sieving performance is required. For less soil sticking and an improved crop flow, stainless steel panels are integrated in the main web channel (standard).



Haulm separation

Deviner web

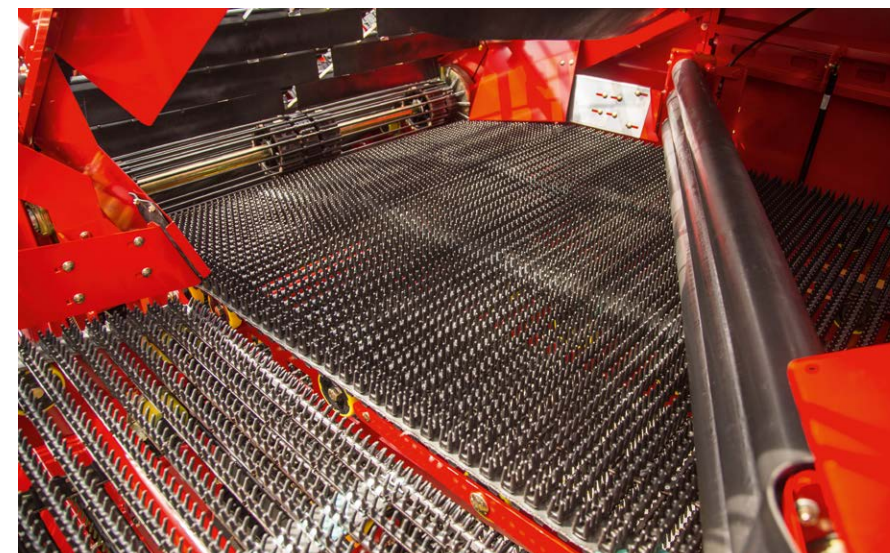
Sieving, separating, conveying: three functions in one harvesting procedure. A minimum drop height ensures a gentle crop flow from the 1st to the 2nd main web. Afterwards the crop is transported upwards in segmented pockets.



Maximum throughput

1st separator

The small drop height from the 2nd main web to the 1st separator ensures the gentlest of crop handling. The triple roller maximises throughput and crop separation.



Maximum separating performance

ClodSep separator

The speed of the two finger belts can be separately adjusted by hydraulic means. They are optimally suited for use on soils with a high clod but low stone content.



Maximum output quantity

EasySep separator

The EasySep separator is used on light soils with small trash content and high throughputs. Automatic levelling is available on request, e.g. on slopes.



Handpicked harvesting

Picking platform

The generous picking platform provides a comfortable workplace for up to seven people. With the stone box (option) trash and stones can be unloaded at the field side.



9-ton bunker

Full power

The large bunker volume reduces the time-consuming bunker unloading and prevents unnecessary ground compaction from tractor passes, e.g. when harvesting on long fields. The automatic bunker filling is standard. A bunker outlet for an improved crop protection during bunker unloading is available on request.



Highest crop protection

Bunker head lowering

The moving floor bunker can be equipped with an adjustable bunker head lowering as an option, for a minimum drop height from the bunker into the trailer during unloading.



NonstopBunker

quick and gentle

The patented NonstopBunker with 5.5 t bunker volume realises a fast but very gentle unloading into the trailer. The revolving bunker floor allows for a constant filling of the bunker. An increase of up to 30 % is possible compared to a standard bunker.

Proper attachment

The bottom drawbar provides a favourable pulling point below the drive shaft. The traction forces are distributed evenly between the front- and the rear axle of the tractor.



Well protected Hose cabinet

The covered and adjustable hose cabinet protects electrical and hydraulic connections from weather influences.



TriSys-Chassis 3 wheel chassis

Up to 65 % more contact area (footprint) compared to a standard harvester. Steering of all three wheels is standard, optionally they can be driven hydraulically. Optionally available radial tyres, size up to 1000/50 R25, enable a ground-protective driving on the field.



Highest comfort CCI 50 terminal

The 5.6" ISOBUS terminal (standard) with intuitive GDI user interface and 12 robust membrane keys is best suited for safe operation even on rough terrain.



CCI 1200 terminal

As an option there is an ISOBUS terminal of 12.1" incl. intuitive MultiTouch operation available. 2 large windows and 4 Miniviews can be displayed simultaneously and maximised by tapping. The unique help system provides the driver with information about the currently selected application.



Multi-functional lever

For enhanced convenience, a free-programmable, ISOBUS-compatible multi-functional lever can be selected instead of the GBX control box. Five double acting functions as well as the X- and Y-axis are free programmable.

Relief for the driver

Assistance systems

Visual Protect detects automatically errors and shows the problem area of the machine on the monitor. Also when operating specific functions the respective camera automatically is shown on the monitor.

**Visual
PROTECT**

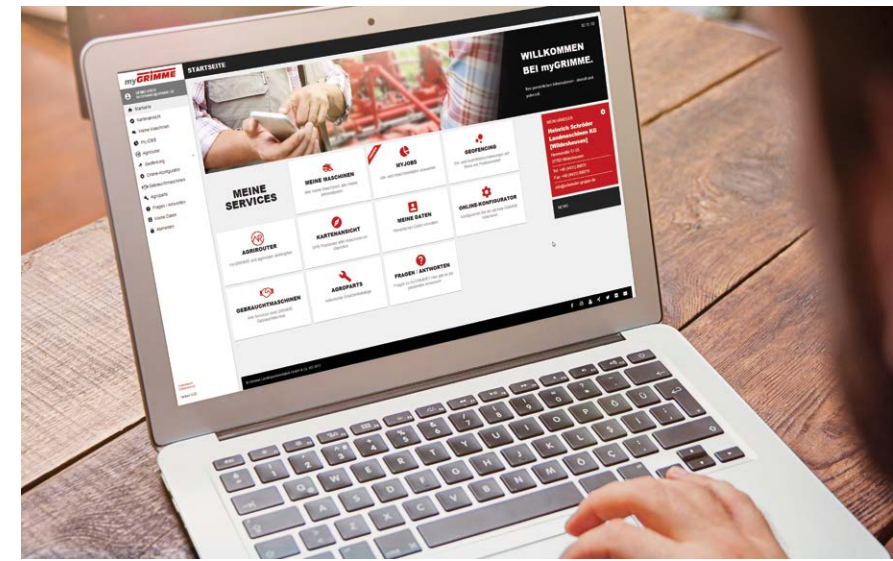


The optional Speedtronic automatically adjusts the speed of the separators and the picking table to the harvesting conditions, therefore increasing crop protection while at the same time increasing area output and relieving the strain on the driver.

Speedtronic



MemoryControl allows the central adjustment of the drives and separators. It is possible to save settings such as speed, adjustable angles and percentage values for different harvesting conditions and recall these quickly if required. Up to 8 programs can be saved and allow you to set your harvesting performance from gentle to output-oriented.



myGRIMME

The customer portal

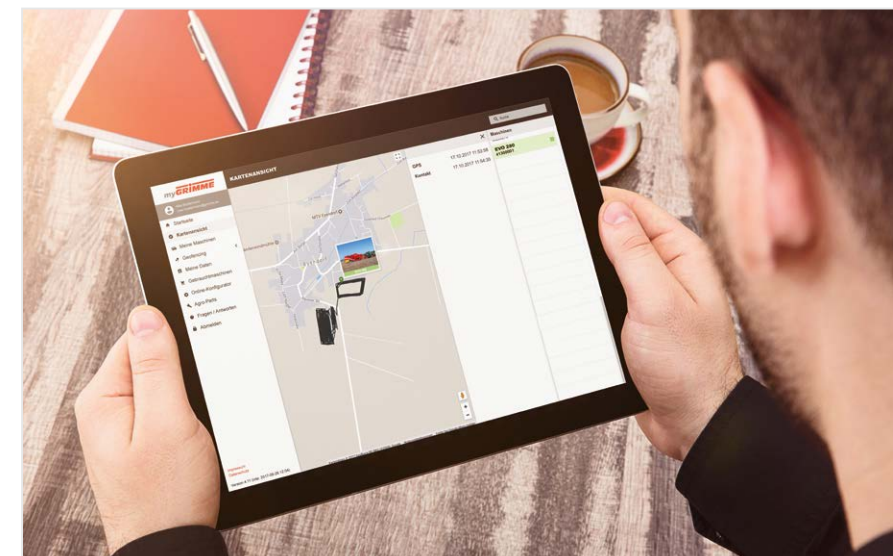
MyGRIMME is an internet portal for final customers where all GRIMME machines can be clearly managed.

The core of the portal is a digital machine file, which displays specific information. These include the specific equipment features of the machine, and the corresponding operating instructions and spare parts list. As well as this, maintenance instructions and required updates are clearly displayed.

But myGRIMME can do even more. Machines with a telemetry unit are clearly displayed on a Google Maps map. Therefore the owner can not only track the location of the machine, but its exact movements in the field.

Further applications are incorporated in the next stages of development so that the owner continues to reap the benefits of myGRIMME.

As standard, all EVO 290 machines are equipped with a telemetry unit that transmits parameters of the machine and its location on request. The user can retrieve and process the data at myGRIMME via browser.



Technical data

Standard equipment

	EVO 290
Length	12000 mm
Width	3300 mm
Height with moving floor bunker / overloading bunker	3990 mm
Empty weight with basic configuration	15500 kg
Permitted bearing load drawbar	4000 kg
Low hitch	X
Input speed p.t.o.-shaft	540/1000 r.p.m. PTO
1st main web width	1500 mm
2nd main web width	1700 mm
1st main web sieving area	4.8 m ²
2nd main web sieving area	4.2 m ²
Deviner web width	1700 mm
1st separator width	1500 mm
2nd separator width	1300 mm
Picking table width	915 mm
Trash web width	280 mm
Picking personal	4+3
Bunker capacity	9000 kg
Bunker unloading height	4450 mm
Wheels	710/50-30.5
Air brake	X
Transport speed	40 km/h
Power requirement	135 kW
Oil flow	80 l/min
Required control valves (double acting)	1
Non-pressurized return flow	1
ISOBUS	x
ISOBUS InCab-plug	1





No claims can be raised in respect of texts, illustrations, technical specifications, dimensions and weights, equipment as well as performance specifications. They are approximate and non-binding. Changes in the course of technical enhancement are possible at any time.



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The logo for GRIMME, featuring the word "GRIMME" in a bold, red, italicized sans-serif font. Above the letters "I" and "M" are horizontal red bars that intersect at a red circle above the letter "I".