



# RH SERIES

The RH series comprises powerful, robust receiving hoppers for potato and vegetable farms. The machines can be perfectly adapted to different operating conditions. Various models offer different capacities, sizes and functions.

## RH 12 / RH 16

The compact GRIMME RH 12 E and RH 16 E receiving hoppers place great emphasis on crop care and user-friendliness. They feature height-adjustable rubber intake flaps and soft PU spiral rollers. In particular, the RH 16 impresses with its direct drives and infinitely variable speed adjustment. Both models are great for tight spaces because of their compact size.



RH 12/16 E



RH 16



Available models:

RH 16-40

RH 16-60

RH 12-40 E

RH 16-40 E

### Highest crop protection

The soft, wear-resistant polyurethane (PU) spiral rollers achieve the lowest impact on the crop and have an effective separating performance. In addition, jammed stones and entangled haulm are avoided.



### Gentle receiving of the crop

The soft rubber of the hopper floor protects the harvested crop.



### Operation via levers and manual control valves

Levers and manual control valves are located on the right-hand side of the machine and can be used to control various functions. These include the speed of the hopper floor and cross conveyors, the direction of the cross conveyors and the rotational speed of the rollers.



### Quick adaptation to different harvest conditions

Comfortable and fast adaptation to the specific harvest requirements by distance and inclination adjustment of the PU spiral rollers (standard).



### Maintenance free, infinitely adjustable direct drives

Rollers are driven directly and without any loss in power. In addition, the independent control of the roller groups also has a share in achieving ideal results for all crop sizes.



# RH 20 E

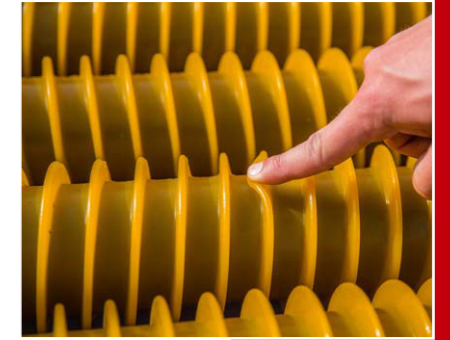
The receiving hopper RH 20 E is suitable for farms that value simplicity and high capacity. The 2.0 m wide hopper floor with its deep pockets and "active pocket sealing" enables a throughput of up to 65 tonnes per hour. Thanks to the infinitely variable drives and the soft PU spiral rollers, a particularly high level of crop protection and easy adaptation to the respective requirements is achieved.



Available models:  
RH 20-45 E  
RH 20-60 E

## Highest crop protection

The soft, wear-resistant polyurethane (PU) spiral rollers achieve the lowest impact on the crop and have an effective separating performance. In addition, jammed stones and entangled haulm are avoided.



## Wider crop receiving hopper

The deep pockets of the hopper floor lead to an optimised conveying effect and enable the hopper to be emptied quickly and completely. Sections made of soft polyurethane cover the surfaces of the side panels of the 3.1 m wide receiving area and the hopper floor strips. They offer maximum crop protection.



## Operation via levers and manual control valves

Levers and manual control valves are located on the right-hand side of the machine and can be used to control various functions. These include the speed of the hopper floor and cross conveyors, the direction of the cross conveyors and the rotational speed of the rollers.



## Cleaning rollers

The cleaning rollers are equipped with a mechanical distance and angle adjustment mechanism, each of which is operated by crank handles. There are two functional packages: The "C6" package includes six PU spiral rollers, while the "C8" package contains eight PU spiral rollers.



## Efficient filling

With the mountable front panel for the filling section, the capacity of the receiving hopper can be fully utilised, e.g. when filling with a forklift truck. A bracket on the side of the hopper allows convenient and space-saving storage of this front panel.



# RH 20 / 24 / 28

The RH 20, RH 24 and RH 28 receiving hoppers are ideal for farms with medium to large production volumes. The RH 20 has a width of 2.0 m and achieves a storage capacity of 80 to 90 t/h, while the RH 24, with a width of 2.4 m, enables throughput rates of 100 to 140 t/h. For large operations, the RH 28 offers a width of 2.8 m and a storage capacity of up to 150 t/h.



RH 20/24



RH 28

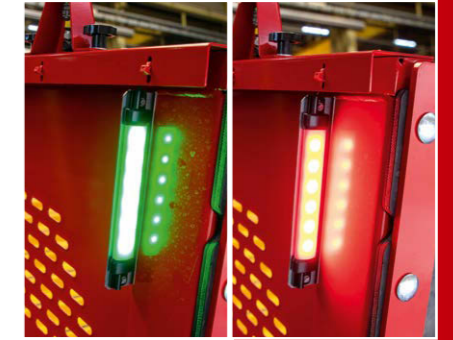


Available models:

RH 20-45	RH 24-60 S
RH 20-60	RH 24-70
RH 24-45	RH 28-60
RH 24-60	

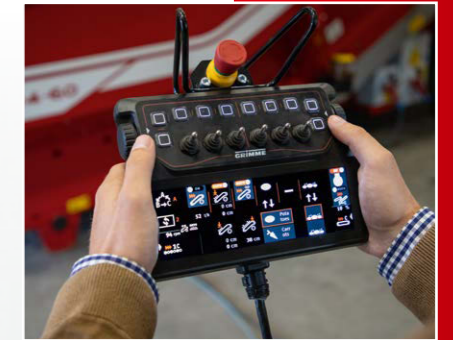
## Easy unloading

The unloading sensors monitor the 3.1 m wide receiving area. When the trailer/truck approaches, the signal changes from green to red, indicating the optimum position for unloading to the driver. This enables faster and more precise manoeuvring.



## Intuitive operation

Operation of the hopper is intuitive and convenient with the help of the new IBX 300 ISOBUS operator unit. Numerous assistance systems, such as Remain Control and Capacity Control, take the strain off the operator while maximizing crop protection and storage performance.



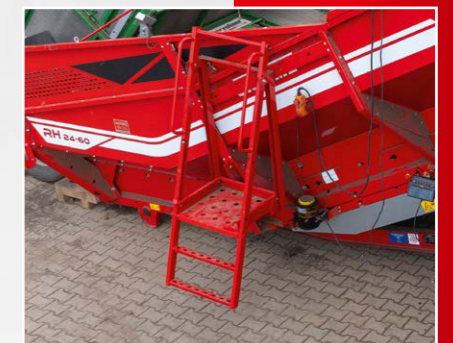
## Lubricator for hopper floor chain

Maintenance and care of the machine is considerably simplified for the operator, as manual lubrication of the hopper floor chain is no longer necessary. The receiving hoppers are available with two different versions of hopper floor lubrication. A mechanical or electrical oiler with automatic lubrication.



## Better view

The modern design of the hopper offers visual windows in the front section, as well as freely accessible connections and operating elements. An additionally available fold-out platform on the right-hand side of the machine allows the operator to look into the hopper. This option allows a safe view into the front section.



## Hopper floor design

The design with a 'lower bend' in the hopper floor ensures maximum intake volume and rapid emptying of the trailer, as well as safe opening of the rear trailer flaps without damaging the machines. Depending on customer requirements, the machine can also be equipped with a straight hopper floor.





### VarioFlow

VarioFlow transfer rollers can be installed for improved crop protection and throughput. These rollers can be adjusted independently in height on each side and run at an angle to the crop cross conveyor. Improved distribution of the crop increases both throughput and crop protection.



### Remain Control

"Remain Control" measures the remaining crop layer in the receiving area. The hopper itself and the downstream conveyors are automatically switched off via "FlowControl" as soon as the height of the crop drops below a pre-defined minimum height. The crop layer remaining in the hopper reduces the drop step for new crop and increases crop protection.



### Capacity Control

Capacity Control regulates the hopper floor speed. Sensors detect the height of the crop layer and the speed of the hopper floor. The throughput is displayed on the operator terminal, enabling optimum utilisation of the storage line without manual readjustment.



### Flow Control

The Flow Control feature ensures a controlled start-stop sequence of the entire storing line. Flow Control can be started by signals from receiving hoppers (RH), store loaders (SL) or box-fillers (GBF). It can be stopped by any connected GRIMME device equipped with Flow Control.



### Turbo Clean

Turbo Clean is a very effective cleaning system to remove sticky soil from cleaning rollers and pre-grading rollers, using centrifugal force. The rollers are accelerated in the opposite direction to the crop flow in the machine to prevent soil from accumulating in the storage.

## RH 24 MULTISEP

The receiving hopper, type RH 24 MultiSep, have a 2.4 m wide MultiSep unit consisting of four pairs of rollers for separating loose soil, clods, small stones, haulm and weeds. They are suitable for medium-sized and larger businesses with medium to heavy conditions. The MultiSep separation- and cleaning unit achieves maximum cleaning performance while maintaining high throughput.



Available models:  
RH 24-60 MultiSep  
RH 24-60 S MultiSep  
RH 24-70 MultiSep

## RH 24 PB

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The receiving hopper of the series RH 24 "PB" is designed with a straight hopper floor in the receiving area and is suitable for medium-sized and larger farms or the processing industry. The straight hopper floor, the presentation belt (= PB) and the wide range of equipment make the RH 24 PB particularly suitable for farms that grow different types of vegetables.



Available models:  
RH 24-60 S PB

## RH 24 XT

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The Receiving hopper, type RH 24-XT, was especially developed for sorting and for processors. Downstream of the spiral roller package with a width of 2.4 m, the crop is transferred at full width with a transfer belt, which is also 2.4 m wide. The straight crop flow allows a maximum throughput of up to 140 tons per hour. An optional inspection platform enables the crop quality to be monitored.



Available models:  
RH 24-60 S XT    RH 24-70 XT  
RH 24-60 XT    RH 24-80 XT  
RH 24-60 S XT

# RH 12 COMBI

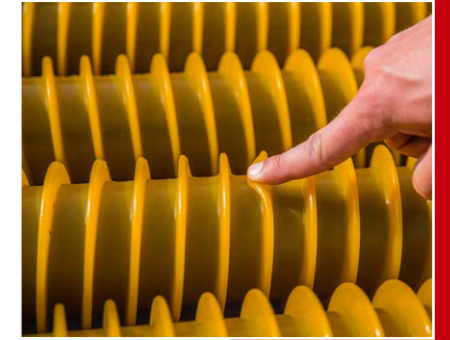
The compact "RH 12 Combi" is the perfect choice for medium-sized businesses and offers maximum crop protection and optimum throughput thanks to its soft rubber hopper floor, PU spiral rollers and Stepless drive. It combines several work steps such as crop intake, soil cleaning, picking, power pre-grading and pre-grading. The machine can be configured to customer-specific requirements and offers excellent picking capabilities and crop protection with an optional roller picking table and flexible sorting options.



Available models:  
RH 12-40 Combi  
RH 12-60 Combi

## Highest crop protection

The soft, wear-resistant polyurethane (PU) spiral rollers achieve the lowest impact on the crop and have an effective separating performance. In addition, jammed stones and entangled haulm are avoided.



## Storing according to tuber size

The WG 900 web grader is located directly behind the picking table and ensures precise sorting. The 900 mm wide rubber web with with conically shaped meshes has only low impact on the crop. It offers an ideal compromise between grading accuracy and flow rate thanks to its infinitely variable drive.



## Gentle pre-grading of the crop after the picking table

The combination of a receiving hopper and subsequent pre-grading with PU spiral rollers is a unit for powerful and gentle crop handling.



## Ergonomically designed roller picking table

The roller picking table (option) turns the crop while transferring, to assist picking.



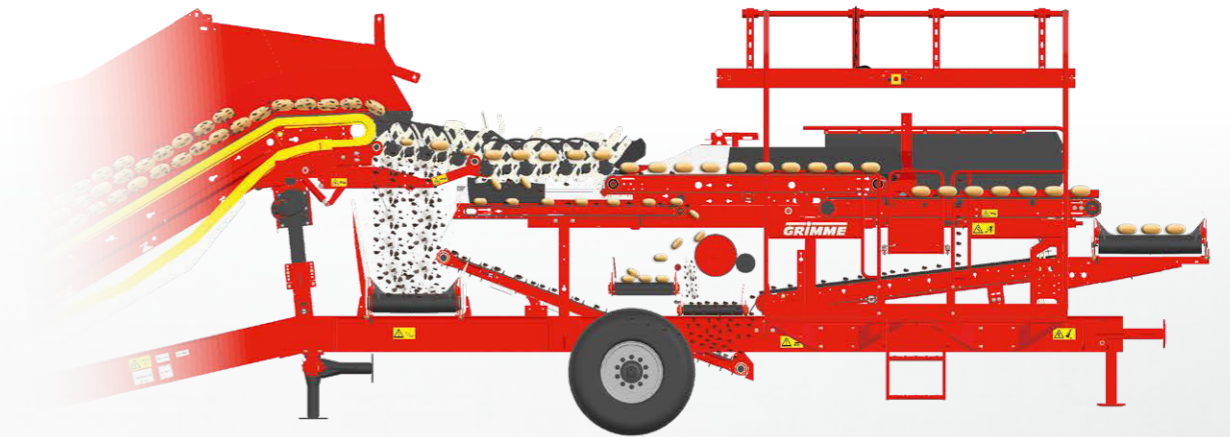
## Gentle crop transfer

The perfectly aligned assemblies ensure minimal drop heights and gentle crop transfer throughout the entire machine.



## RH 20 COMBI / RH 24 COMBI

The RH 20 Combi and RH 24 Combi are versatile machines that combine several steps of crop handling. Thanks to their modular design and numerous options, they can be customised to meet specific customer requirements. Extensions such as pre-grading, stone and clod separation systems and a picking table for up to eight people are available. The machines also offer pre-sorting options and a stepless drive. This makes them ideal for conditions with lots of stones or clods and offers high crop protection and throughput.



### CLS 1

The CLS-I system uses a single-stage clod separator for efficient separation of potatoes, stones and clods. Potatoes and impurities are conveyed onto the clod separator module at a specific angle. Trash and impurities bounce off the steel clod roller at a flatter angle and fall onto a soil cross conveyor. Potatoes bounce off and land a little further away on a crop cross conveyor. The separating wedge between soil removal and product removal can be adjusted using a crank.

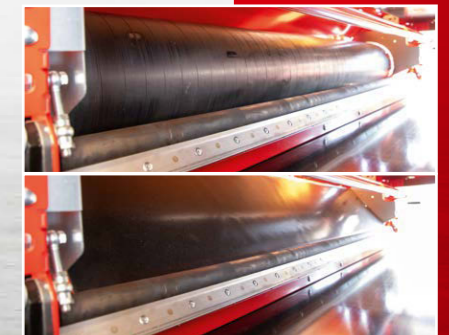
### CLS 2

The CLS II system consists of two clod separators. Both operate in the manner described above. The system is suitable for soil conditions with lots of stones and small clods. The first clod roller performs a rough separation of clods and stones from the product stream, while the second clod roller refines the separation.



### CLS Bypass

The bypass is opened by simply switching a lever, thereby bypassing the CLS system. This reduces the mechanical stress on the crop if there are only a few stones and clods in the raw material.



#### Available models:

RH 20-45 Combi    RH 24-60 Combi  
 RH 20-60 Combi    RH 24-70 Combi  
 RH 24-45 Combi

# GRIMME regardless of brand used and more

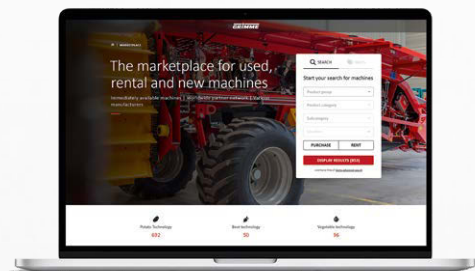
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## Sell your used machinery

- > Get your non-binding offer
- > Payment before pickup on site possible
- > Simple sales process
- > Pick up of your machine free of charge



Receive a non-binding offer for your used potato-, beet- and vegetable technology from GRIMME or other well-known manufacturers.



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