NAVO 140

GRIMME Landmaschinenfabrik, based in Damme, is expanding its product range in the field of vegetable harvesting technology with a trailed top lifter. The NAVO 140 is a single-row top lifting harvester for carrots, parsnips and other vegetables, equipped with a 7 m^3 bunker and, for the first time, with ISOBUS control.

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NAVO 140

Proven components from GRIMME and ASA-LIFT form the basis of the machine: The top-lifting-unit and the knife unit are from ASA-LIFT. The share-intake, the bunker and the ISOBUS system technology are developed by GRIMME.

High reliability thanks to years of experience with the components in practical use!

Automatic height- and lateral guidance

The automatic guidance of the intake ensures that the crop is always picked up optimally at the top/haulm of the plant, thereby guaranteeing optimal feeding to the cutting unit. This ensures very smooth running in the row and fast lifting at the headland. The automatic lateral guidance is achieved via the hydraulic drawbar cylinder.

Standard ease of maintenance with the quick-release system

Maximum ease of maintenance thanks to the standard quick-release system. All clamping rollers can be easily released with a single movement using the tool mounted on the machine.

Double-cranked share frame with offset mounted share blade and stone protection

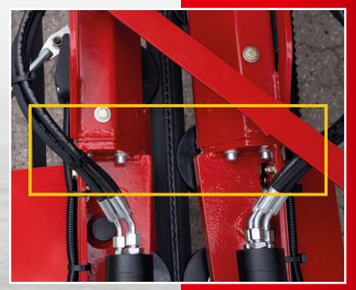
The right- and downward-angled share frame reduces soil build-up, creates more space to the next row and thus offers advantages in narrow row spacing. In addition, the machine has an auto reset share frame which deflects backwards upon contact with stones, allowing the harvesting process to continue immediately without downtime.

Maintenance-free bearings of the top lifter rollers

The rollers of the top-lifting unit are mounted with rubber spring elements, which means that the rollers do not need to be lubricated. This reliable clamping force prevents losses and increases efficiency during harvesting.

Reliable thanks to the top-lifting unit with shear bolt protection

In the event of the top lifter belt colliding with a stone or sinking into the soil, the front part of the top lifter belt, which is attached with shear bolts, pays off. This prevents irreparable damage to the top-lifting unit.



Precision for optimum leaf chopping

Every cutting unit that leaves the factory is rigorously tested to ensure it meets the demands of the field. Our original parts deliver consistently excellent results.

Perfect synchronisation for reliable leaf chopping

Play-free and maintenance-free spur gears with helical teeth enable precise synchronisation of the cutting unit. Combined with the standard overload protection for small stones, the cutting unit impresses with its work results and durability.

High separating effect

The harvested crop is carefully transported across the cross conveyor belt onto the fine haulm elevator. Loose fine haulm, such as carrot tops and soil are efficiently removed by the fine haulm elevator. The cleaned crop is then gently transferred to the bunker filling elevator.

Automatic bunker filling

The integrated automatic bunker filling system ensures a consistently low drop height. This prevents tip breakage and allows the crop to be unloaded gently.

Opening fields with the bunker folded in

The innovative bunker system allows for opening fields with the bunker folded in. It ensures that even field edges can be cleared efficiently and without any problems. This allows small quantities of carrots to be harvested without switching the machine completely to field mode.

Intuitive ISOBUS operation as standard

The GRIMME Digital Interface (GDI) operating concept creates the basis for a pleasant workplace and efficient working with the machine. The modern visual display makes the menu navigation extremely intuitive. Thanks to ISOBUS, all important functions can be assigned directly to the tractor's joystick.

ModuChange - quick-change system

Thanks to the quick-change system, the machine can be converted from a top lifter to a sieving harvester in record time. This allows the machine to be used flexibly in different crops. The period of use can be extended to cover the entire season.

Transport width less than 3 m

Thanks to its telescopic axle, the width of the NAVO 140 can be reduced to less than 3 m for transport. This means that no special permission is required. At the same time, the chassis of the NAVO 140 impresses with its smooth running and high stability.

Maintenance position

The maintenance position facilitates access to the root-cleaner, top lifter belt and cutting unit. The maintenance flaps can be locked into place, allowing safe and unobstructed work on the important parts of the machine.

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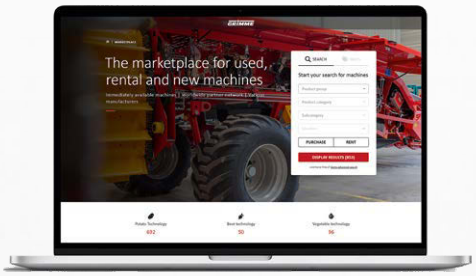

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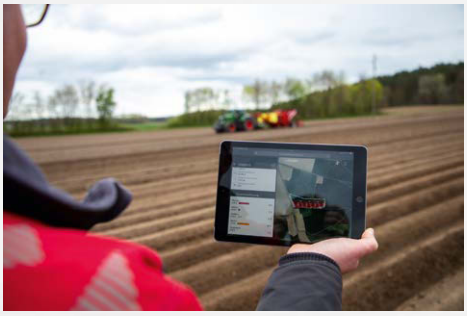

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