



Terra Dos 5

Terra Dos 5-30 | Terra Dos 5-40



02/2024

HOLMER 



Our Legacy – Paving the Way for Your Success

Alfons Holmer took over his father's village blacksmith shop in 1969. In 1974, he pioneered the first 6-row sugar beet harvester – a groundbreaking achievement in agricultural engineering. With this innovation, HOLMER has showcased over 50 years of engineering expertise.

Since then, we've continually enhanced the sugar beet lifter. The latest generation of the Terra Dos is designed to efficiently harvest the maximum yield, even in the most challenging harvesting conditions. From dry leaves to wet ground, the Terra Dos 5 is equipped to handle all conditions.

Throughout the development process, our focus has always been on the driver, aiming to reduce workload while ensuring enhanced driving comfort. Join us on a journey of innovation and success with HOLMER!





Terra Dos 5

– get more out of it!

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Terra Dos 5

Get More Out of It!

Unlock the full potential with the new generation of sugar beet harvesters – the Terra Dos 5. Building on the proven success of its predecessor, it sets new standards in performance. The main focus is on the driver and the cost-effectiveness of the machine. Experience driver assistance systems and intuitive operation that guarantee the best harvesting quality under all conditions. The Terra Dos 5 is engineered to maximize efficiency and deliver top-notch results in the field. Elevate your harvest with the next level of sugar beet harvesting technology!

HOLMER EasyLift

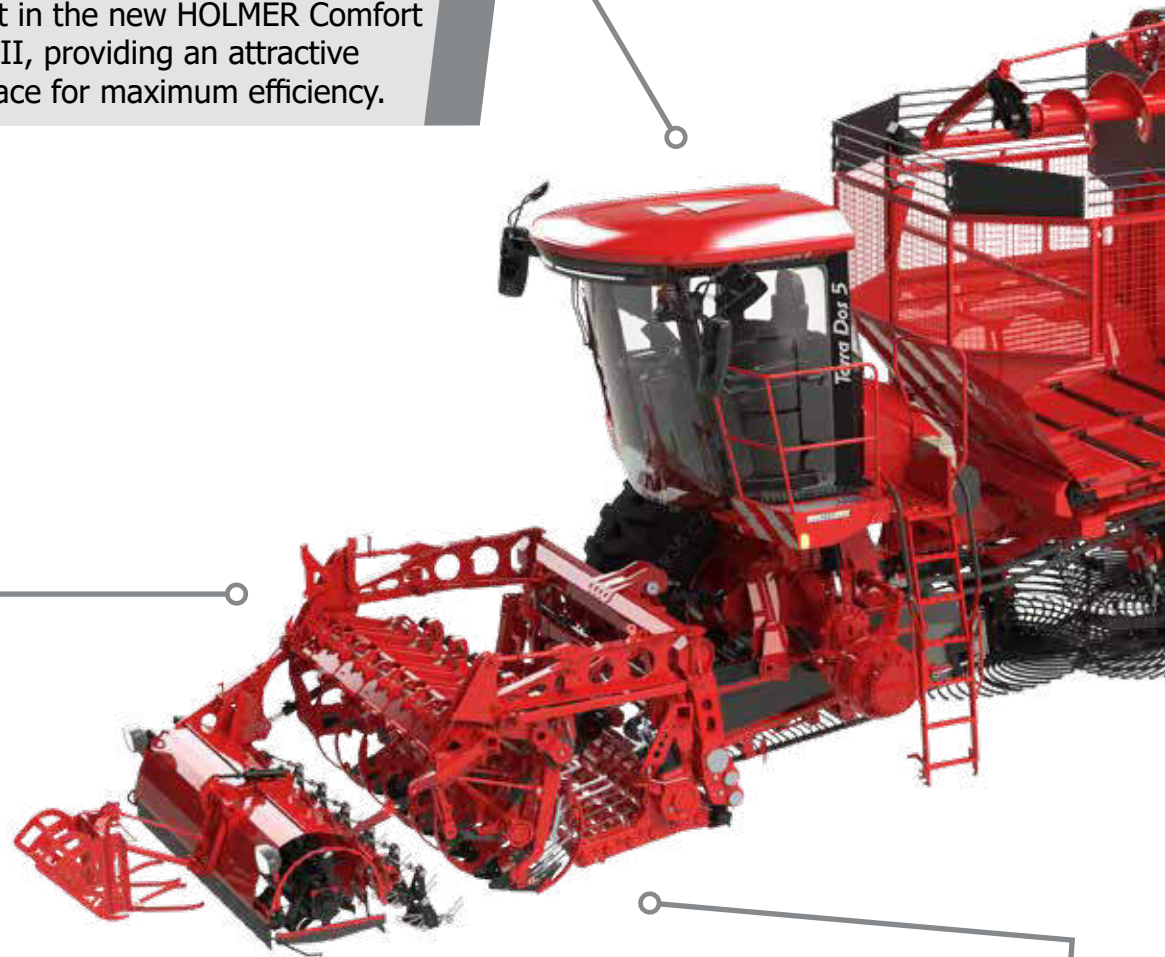
Simplify your harvesting experience with automatic single-row depth guides in HOLMER EasyLift. Enhance driver convenience while reducing fuel consumption and wear.

Gentle topping

Achieve perfect harvesting quality with improved details on the topper and lifting unit, making HOLMER the best option in the field.

Top-Class Comfort

Experience spacious and ergonomic comfort in the new HOLMER Comfort Cabin III, providing an attractive workplace for maximum efficiency.



Durable

Count on durability with DuraShare digging shoes and various Hardox® components, ensuring a long service life and minimizing maintenance requirements. HOLMER is built to withstand the demands of American agriculture.

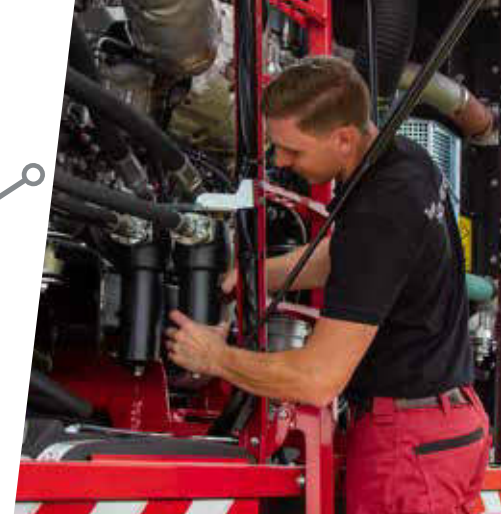


Best possible cleaning

Larger turbines ensure maximum beet throughput and spotless cleaning by means of centrifugal forces.

Simplified Maintenance

Experience hassle-free maintenance with the newly designed, uncluttered engine compartment that provides easy access to the radiator, filters, and oils. HOLMER ensures a straight-forward approach to upkeep.



HOLMER DynaCut

Achieve maximum yield with HOLMER DynaCut, featuring optimized parallelogram geometry for even more precise cutting of beet heads. Elevate your harvesting efficiency with advanced cutting technology.



Enhanced Visibility

Banish the darkness with our new lighting concept for the best possible visibility all around the harvester during night operations. HOLMER prioritizes safety and clarity, ensuring you have the best overview in low-light conditions.



Terra Dos 5

One Harvester – Two Models

Experience versatility with our sugar beet harvester, available in two variants: The Terra Dos 5-30 and the Terra Dos 5-40, featuring two or three axles. HOLMER embraces a proven modular design principle, ensuring the models are as identical as possible. This approach keeps replacement parts costs low and simplifies maintenance, providing you with cost-effective solutions for your harvesting needs.

Terra Dos 5-30

- ▶ **Bunker Volume:** 30 cubic yards / 21 tons
- ▶ **Unloading Capacity:** 30 cubic yards in approximately 40 seconds
- ▶ **Unladen Weight:** From 30 short tons
- ▶ **Axles:** 2 driven, steerable axles and articulated part

Terra Dos 5-40

- ▶ **Bunker Volume:** 45 cubic yards / 31 tons
- ▶ **Unloading Capacity:** 45 cubic yards in approximately 50 seconds
- ▶ **Unladen Weight:** From 33 short tons
- ▶ **Axles:** 3 driven, steerable axles and articulated part





From a triple-axle to a twin-axle machine: please fold here. ►

More driving comfort



Enhanced Driving Comfort

The HOLMER Comfort Cabin III

► More Free Space

The HOLMER Comfort Cabin III offers an enlarged cabin and reworked seat geometry, providing ample space and legroom for the driver. Numerous storage options ensure cleanliness and convenience.

► Everything in View

Enjoy a perfect view of the lifter and topper through the panorama windscreen with a recessed floor edge.

► Working Ergonomically

HOLMER takes driving comfort to the next level with the HOLMER SmartDrive concept, designed with the driver in mind to provide the greatest operating convenience for fatigue-free working.

► Easier Unloading

Unloading is made easier with the new unloading belt control featuring automatic and storage functions in the left armrest.

► Quiet to Drive

Experience a quieter drive with reduced ambient noise in the cabin compared to the previous model.





Extended Comfort for Long Working Days

We've optimized the cabin to ensure your comfort during extended working hours.

- ▶ **For a Clean Workplace**

Keep your favorite seat neat and tidy with the new integrated vacuum cleaner under the seat.

- ▶ **Warm Feet on Cold Days**

Enjoy a feeling of comfort with in-floor heating.

- ▶ **Always Charged Up**

Keep your smartphone charged on long working days with the integrated wireless charger in the armrest.

- ▶ **Show Your Colors**

Personalize your workspace by selecting the color of the ambient lighting in the driver's cabin and dim it to your taste.

- ▶ **Better Sound**

Elevate your audio experience with two additional speakers behind the driver's seat, ensuring high audio quality in the cabin. As an option, you can upgrade to a JBL sound package.

Experience the ultimate comfort and customization during your workday with HOLMER!



A large red harvester, the Terra Dos 5, is shown in a field. The machine is red with black accents and has "Terra Dos 5" written on its side. It has large rear wheels and smaller front wheels. The background shows a green field and a blue sky with some clouds.

Road travel at the touch of a button

When the work is complete, seamlessly transition the Terra Dos 5 into road travel mode. With the touch of a button, retract the leaf feeler, topper, and bunker unloading belt for efficient and convenient road travel.

Experience a new level of road safety and convenience with HOLMER's Terra Dos 5 – designed for optimal performance both in the field and on the road.

Road safety

To comply with prescribed axle loads in E.U., support wheels are strategically fitted to the side walls of the Terra Dos 5. These wheels can be quickly lowered from the driver's cabin, enhancing ease of use and ensuring safety on the road.

Maintain an Overview

HOLMER SmartDrive

The HOLMER EasyTouch terminal puts the most important information at your fingertips – direct and clear.

► Streamlined User Interface

The new user interface, with a clean design, provides a simple overview of your machine.

► Customizable Status Displays

Tailor various status displays and store them in your driver's profile. Your settings are conveniently saved for the next time you start the machine.

► User-Friendly for New Drivers

Easily recognizable icons and straightforward operation allow new drivers to get a quick start.

► Integrated Additional Terminal

The integrated additional terminal is versatile, allowing you to use apps for music, farm management systems, and more.

► Maintain an Overview

Experience enhanced control and efficiency with HOLMER SmartDrive – where simplicity meets precision. More driving comfort awaits!



Enhanced Visibility with High-Resolution Digital Cameras

Four high-resolution digital cameras deliver comprehensive views from various angles around the machine. The Terra Dos 5's cameras provide the best overview of the entire harvesting process, allowing you to closely monitor beet throughput.

- ▶ **360-Degree Monitoring**

Enjoy the best overview around the machine, ensuring visibility from every angle during the harvesting process.

- ▶ **Zoom Functionality**

Utilize the zoom function to closely monitor the relevant position and transfer of beets from the transfer web to the first turbine.

Experience precision and control with the Terra Dos 5's advanced camera system – a technology designed to enhance your harvesting efficiency.

- ▶ **Advanced Camera Features for Enhanced Safety and Visibility**

- ▶ **Cleaning Camera with Zoom**

Monitor the transition between the filter belt and the first turbine with a cleaning camera equipped with zoom functionality.

- ▶ **Unloading Belt Camera**

Get a clear view of the unloading process with the dedicated unloading belt camera.

- ▶ **Reversing Camera**

Enhance safety during reversing maneuvers with a specialized reversing camera.

- ▶ **TopView - Intelligent 360° Camera**

For comprehensive safety and visibility during maneuvers, the TopView camera offers an intelligent 360° view. The camera automatically focuses on the relevant side when the steering wheel is turned.

Experience unparalleled safety and control with HOLMER's advanced camera system – designed to provide a clear view in every critical situation.



More Light

► Revolutionized Lighting Concept

The lighting concept has undergone a complete transformation. New wide LED belts are seamlessly attached to the cabin, providing a more uniform illumination. Over 300 powerful LEDs evenly light up the space around the harvester, ensuring safety and visibility during harvesting, unloading, and turning.

► Enhanced Safety

Experience a well-lit working environment for heightened safety and clear visibility in all operational phases.

► Adjustable Illumination

For secure overloading, the lighting can be dimmed in various vehicle areas, preventing any blinding effects.

Illuminate your work with HOLMER's advanced lighting system – where safety and efficiency go hand in hand.

► Seamless Lighting Control

Effortlessly manage lighting through the HOLMER EasyTouch operating terminal. Define and access favorite lighting combinations with a simple touch of a button. HOLMER's intuitive operation puts customizable lighting at your fingertips for enhanced convenience.

Terra Dos 5



Terra Dos T4-40





‘The change from the T4 to the Terra Dos 5 is simple. The cabin is well-arranged, calm and comfortable – it’s like sitting in a living room.’

Alfred Wimmer,
Driver for the beet harvesting collective in Mering





Efficient Topper Operation

The topper efficiently chops the beet foliage to your pre-set height, offering several benefits:

► **Improved Suction**

Achieve better suction with dry leaves and weeds thanks to the compact hood design.

► **Enhanced Durability**

Forged T-knives increase the service life

of the topper, ensuring long-lasting performance.

► **Fuel Efficiency**

Experience fuel savings due to the low rotational speed of the topper.

► **Adjustable Row Spacing**

Customize row spacing (45, 47.5, 48, 50 cm) directly from the cabin for optimal flexibility.

► **Optional Combination Shaft**

Choose the Combination shaft option to wipe off foliage cleanly.

Optimize your harvesting process with HOLMER's efficient topper operation, delivering performance and flexibility.



HS I – Integrated topper (6 | 9 | 12 – rows)

- ▶ Evenly places beet foliage remains between the rows, covering the ground for organic matter.
- ▶ Light and maintenance-free system
- ▶ Best view through flattened topper hood

HS KO – Combination topper (6 – rows)

- ▶ Achieve even distribution of beet leaves and weeds through the leaf centrifuge.
- ▶ Switch between leaf depositing and the leaf centrifuge with the touch of a button.
- ▶ Opt for the optional HOLMER leaf belt for efficient leaf recovery, allowing further use of the biomass.

Combination defoliator (6 | 9 | 12 – rows)

- ▶ Additional equipment for HS I and HS KO
- ▶ Longitudinal cleaning shafts removes the foliage gently without cutting off any of the beet and harvest them whole

Enhanced HOLMER DynaCut Scalper

► **Quick Adjustment**

Experience perfected beet scalping with HOLMER's refined DynaCut minimal scalper, delivering efficiency and durability.

The low dead weight allows quick adjustment of scalpers to different beet sizes, even at high speed.

► **Precise Cutting Angle**

Optimized parallelogram geometry enables even more precise scalping of the beet.

► **Maximum Yield**

Achieve even and precise cuts for minimal beet scalping, ensuring the highest yield.

► **Robust Comb and Sharp Knives**

Standard robust and self-sharpening knives remain sharp in tough conditions, ensuring maximum durability over time.

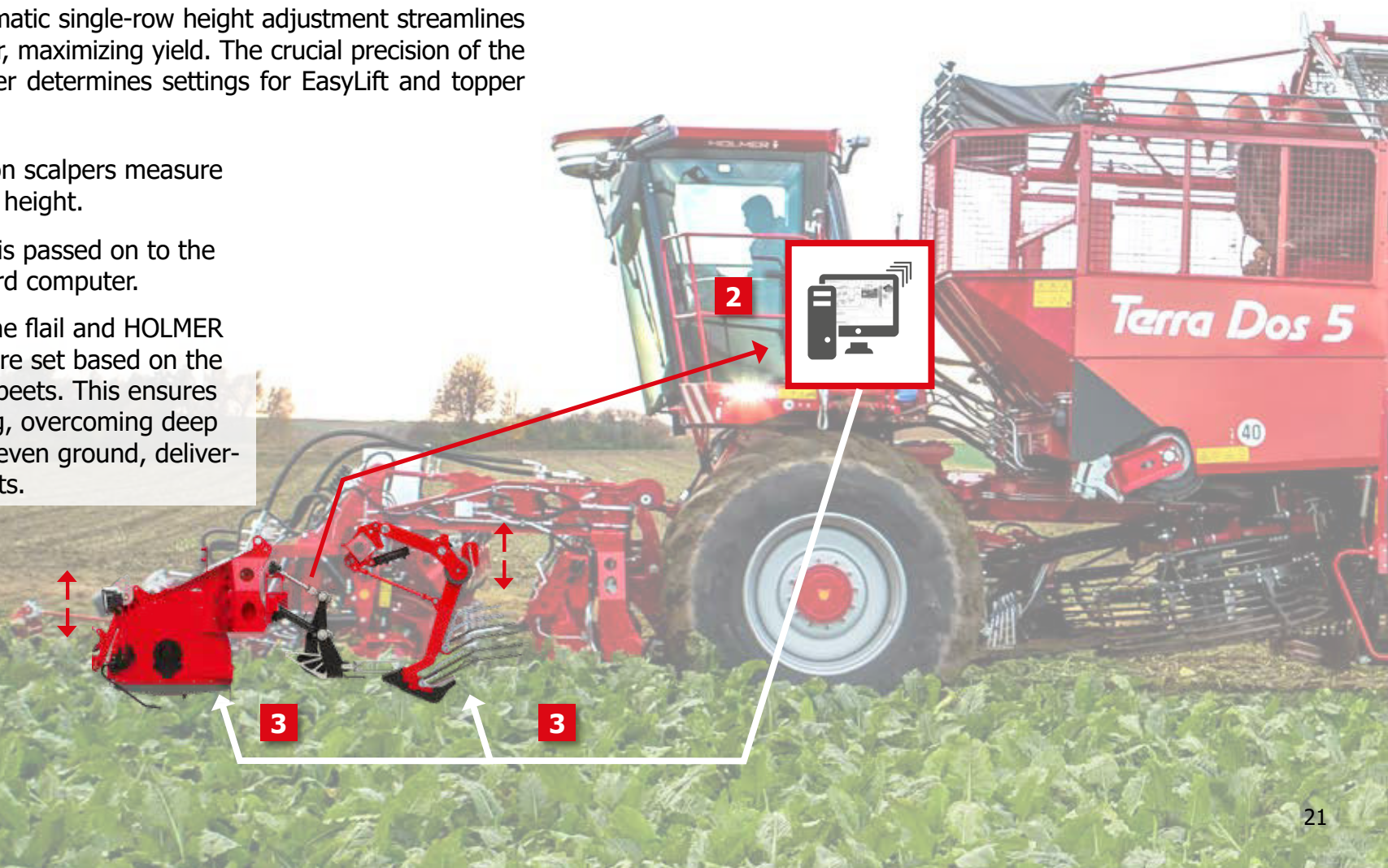


DynaCut ▼

Intelligent technology – for a higher yield

The Terra Dos 5's automatic single-row height adjustment streamlines operations for the driver, maximizing yield. The crucial precision of the DynaCut minimal scalper determines settings for EasyLift and topper height.

- 1** Potentiometers on scalpers measure the beet's crown height.
- 2** The information is passed on to the powerful on-board computer.
- 3** The heights of the flail and HOLMER EasyLift shares are set based on the crown height of beets. This ensures gentle harvesting, overcoming deep wheel ruts or uneven ground, delivering optimal results.



HOLMER EasyLift

► **Optimal Beet Harvesting with HOLMER EasyLift:**

Regardless of variations in beet heights due to variety, wheel ruts, or interrupted rows, HOLMER EasyLift ensures every beet is harvested at the ideal depth.

► **Ideal Working Depth:**

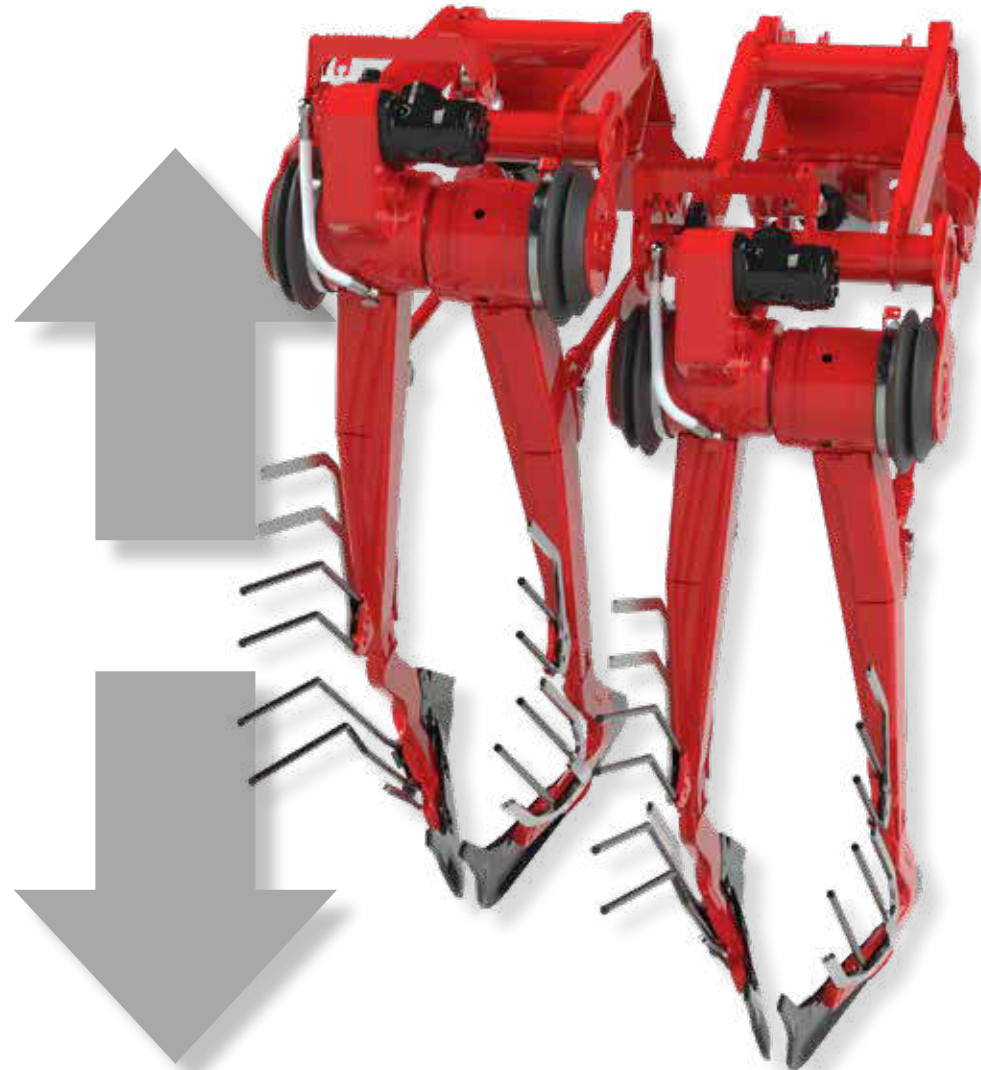
Automated regulation of individual share depth utilizes the beet crown height as a reference, preventing fracture losses and injuries.

► **Fuel and Wear Efficiency:**

Automatic height adjustment minimizes fuel consumption and wear, contributing to machine durability. Harvesting at the right depth reduces operating costs, saving approximately 100 t/ha of unnecessary earth movement for each 1 cm avoided.

► **Convenient Driver Comfort:**

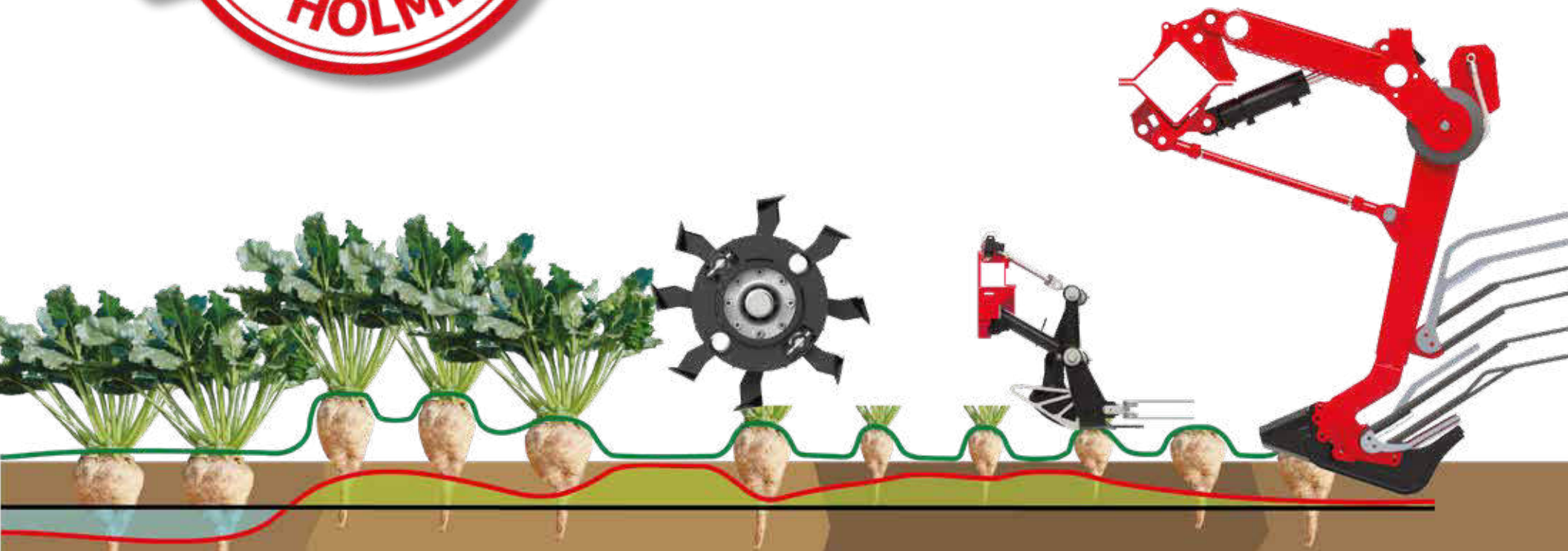
Self-controlling regulation simplifies the starting process for new drivers and eases operations for experienced drivers during long working days.





EasyLift

The new ease of the lifter.



Less unnecessary earth movements

Less damage and more yield

Precise cut with DynaCut

Constant digging depth without EasyLift

Optimum digging depth with EasyLift

Row units

► **Ideal Contour Guidance:**

With the Ø 33.5 inches (Ø 850 mm) depth wheels, the lifter adjusts even better to uneven surfaces - for safe and fuel-saving ground guidance.

► **Gentle Beet Recovery:**

The elliptical oscillations of the share shoes gently loosen the beets with minimal fracture losses. The lifting depth for each shoe can be read off and adjusted in inches.

► **High-Yield Harvest:**

Enlarged force feed paddles reliably transport the beets to the roll bed, enabling a higher yield from the field.

► **Comprehensive Beet Harvest:**

Beets deviating from the row are reliably dug out of the ground due to the shares' 2.75 inches (70 mm) of lateral movement.

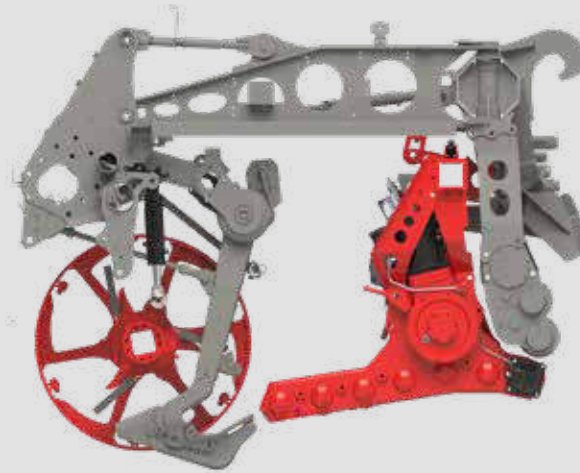
► **Perfect Cleaning:**

Seven adjustable grubbing and cleaning rollers (300 to 600 rpm) for gentle and powerful transport. Optional larger grubbing roller diameter to minimize losses with small beets and specialized crops.

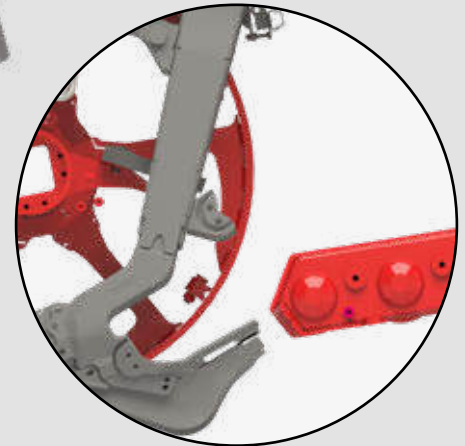


Adaptable for Varied Soil Conditions:

The force feed shaft can be horizontally adjusted to increase or decrease the distance between the depth wheel rubbers and shares, providing adaptability to different ground conditions.



Rear force feed shaft for heavy soils



Longer service life

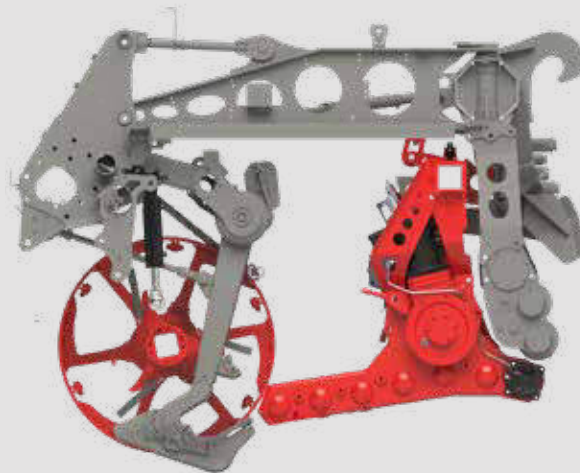
Higher durability and lower wear costs due to the DuraShare and Hardox® rollers.

► Robust Digging Shoes:

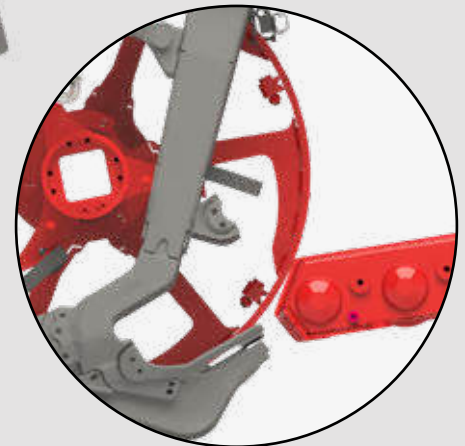
Standard forged shoes, HOLMER DuraShare, boast twice the service life of conventional shoes, providing optimal digging quality in all conditions.

► Abrasion-Resistant Rollers:

Optional high-quality Hardox® steel cleaning rollers are exceptionally wear-resistant and durable. Less abrasion translates to reduced maintenance time.



Front force feed shaft for light soils



Put more performance in the field

Multi-row lifting units

8, 9 or 12-row lifting units for an even more efficient harvesting process with the Terra Dos 5.

► **More soil protection**

Soil protection during harvesting even on high unloading vehicles, is possible with the long unloading belt – for more harvesting performance.

► **Coherent logistics concept**

Rapid unloading during harvesting, even on to high unloading vehicles, is possible with the long harvesting belt – for more harvesting performance.

► **High impact**

The wider unit enables a higher output of the harvester.

► **Increased efficiency**

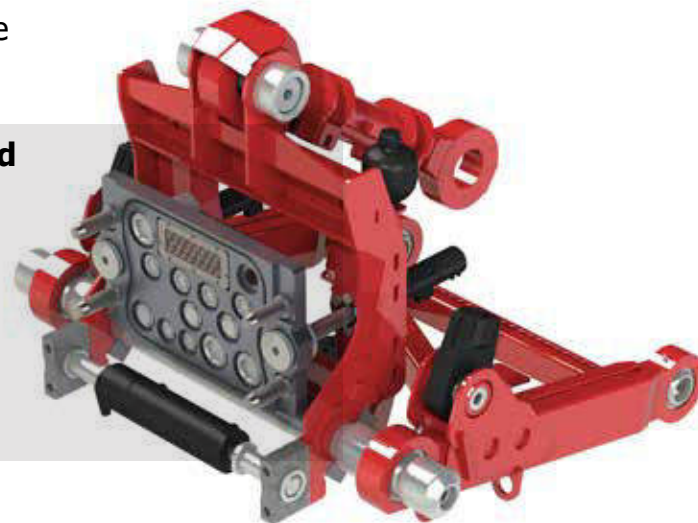
You achieve maximum efficiency through the utilisation of machine capacity and reduces operating costs.

► **Simple transport**

The lifter can be attached to the harvester with the appropriate HOLMER transport cart for travelling on roads. The integrated topper additionally has a simple transport position; the topper is retracted by 180° hydraulically at the press of a button.

► **EasyConnect – connect quickly and simply**

The lifter can be comfortably attached and detached single-handedly with all supply lines from the driver's seat with the HOLMER EasyConnect quick coupling system. For fast setup times and occupational safety.





Optimized Beet Cleaning

The larger turbines with strong centrifugal force ensure maximum cleaning for the beets, resulting in clean and undamaged sugar beets landing in the bunker.

► **Largest Cleaning Surface:**

Benefit from the 35.4 inches (900 mm) wide transfer web with rubber inserts and 12% larger turbines, providing an expansive cleaning surface for producing clean and undamaged beets.

► **Versatility for all beet sizes**

The transfer web is available in different pitch belts (50 mm, 60 mm, and 70 mm).

► **Continuous Beet Throughput:**

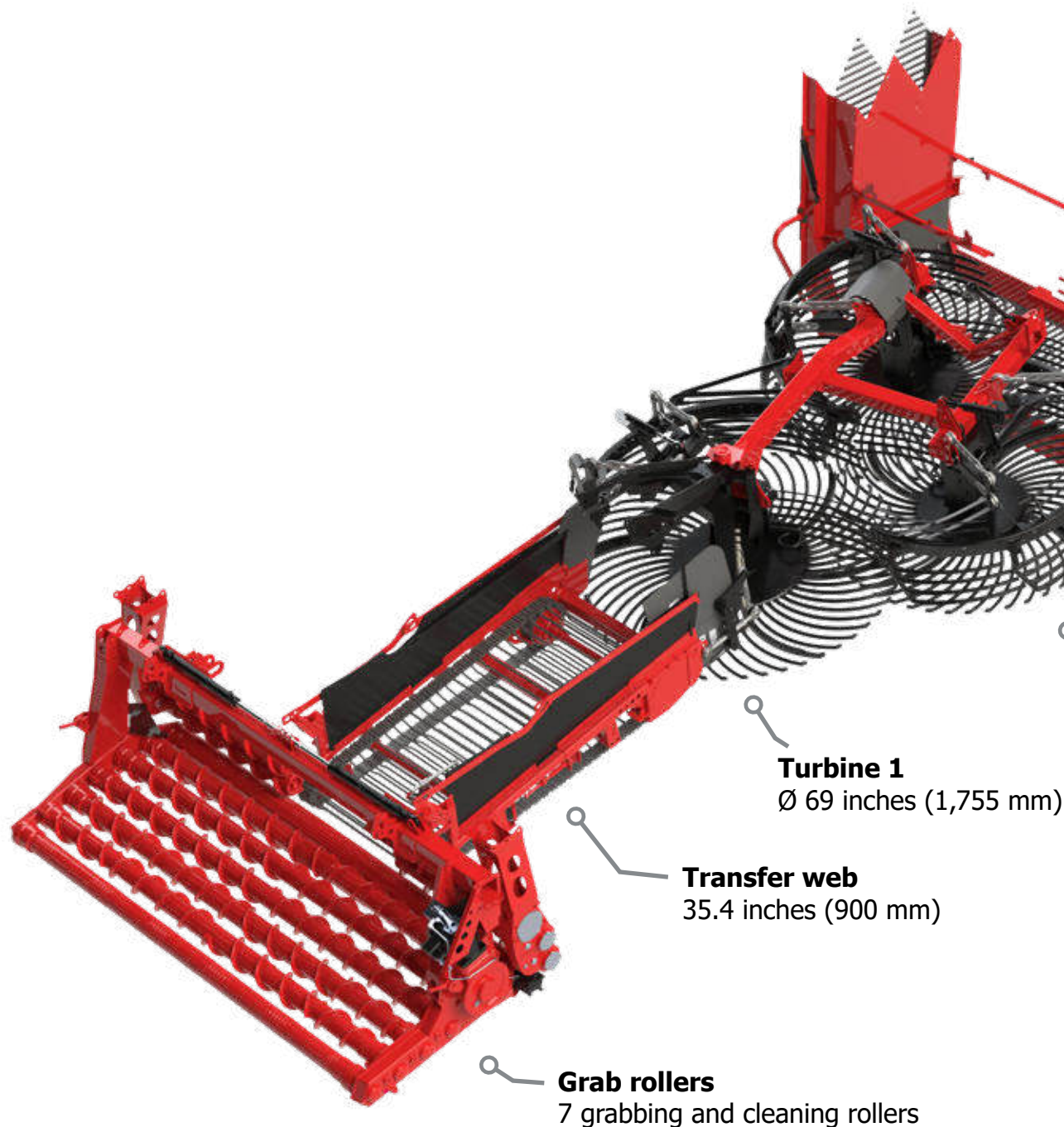
Infinitely adjustable transfer web speed, turbine rotational speed, and turbine gates height guarantee a continuous flow of beets for ideal cleaning. The optimized turbine arrangement further enhances beet throughput.

► **Adjustable Cleaning Intensity:**

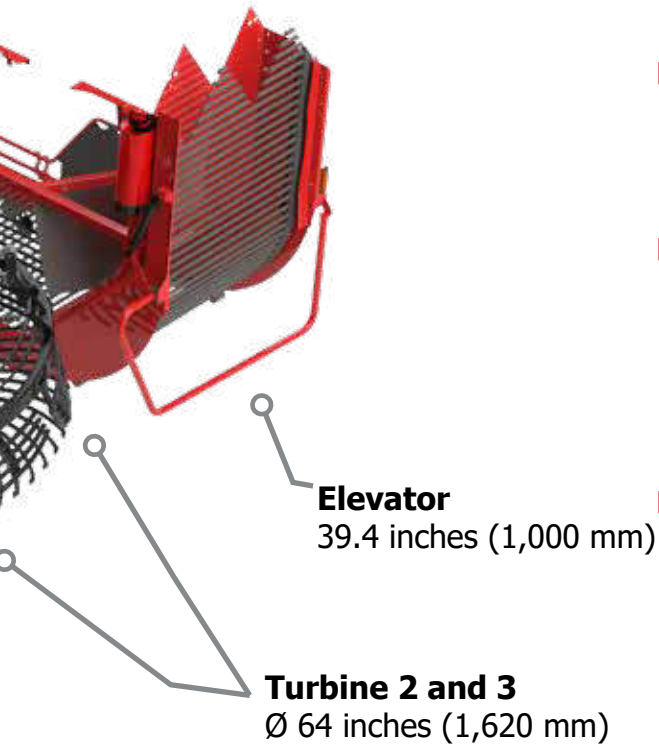
The intensity of cleaning can be changed via the segmented switch between spring tine and sliding grate options, ensuring perfect cleaning.

► **Reduced Maintenance Costs:**

Individual turbine tines and Hardox® components contribute to reduced maintenance costs in cleaning operations.



Stress-Free Operation with Adaptive Cleaning Plus:



► Adjustable Cleaning Speed:

The cleaning speed adapts to the beet flow, ensuring the gentlest treatment of beets and reducing stress for the driver.

► Reliable Cleaning and Feed Performance:

Independent drives automatically regulate the speed of the transfer web and turbines based on pressure, ensuring reliable cleaning and feed performance.

► Gentle with Small Quantities of Beets:

Automatic adjustment of the transfer web, turbines, and elevator to the beet flow prevents damage to the beets, guaranteeing gentle cleaning even with small quantities.

► Flexible Adjustment:

The response of the automatic system can be individually adjusted, providing flexibility in operation



Turbine tines



Bolted-on carriers

Reduced Maintenance Costs:

► Durable Components:

Forged and hardened turbine tines and sliding grates made of special steel ensure durability, contributing to lower maintenance costs.

► Cost-Effective Replacement:

All turbine tines can be replaced individually, reducing replacement part costs by 15%.

► Enhanced Crop Flow and Reduced Wear Costs:

Bolted-on carriers ensure better crop flow, leading to reduced wear costs.



Terra Dos 5-30



Terra Dos 5-40



Quick and Clean Unloading

The bunker

- ▶ **For every operation**
Ideally equipped with a bunker volume of 1,059 cubic feet (30 m³) or 1,589 cubic feet (45 m³), suitable for every surface structure.
- ▶ **Extra-Long Unloading Belt:**
With three articulated parts, the option of unloading onto transport vehicles more than 13 feet high (4 m) or creating clean piles from a low drop angle without rolling over beets.
- ▶ **Even Loading and Unloading:**
In the Terra Dos 5-40, the split bunker auger automatically ensures even filling. During unloading, the centrally placed unloading belt is also filled evenly with beets from both sides.
- ▶ **Bunker Fill Level Detection:**
Ultrasonic sensors detect the bunker fill level and estimate yield, providing insights into how much is in the bunker.
- ▶ **Effortless Unloading Control:**
The unloading control with adjustable unloading belt speed, automatic controls, and configurable programs (height and rotational speed) is integrated into the left armrest.
- ▶ **Fast and Gentle Unloading:**
Unloading via the 70.87 inches (1,800 mm) wide unloading belt with PU carriers is possible within 40 to 50 seconds, ensuring a quick and gentle unloading process



Robust and Reliable for Heavy Work

During the development of Terra Dos 5, a primary focus was on its durable and robust construction, evident in the bunker design as well.

► **Abrasion-Resistant Steel:**

The Terra Dos 5 is designed to handle sandy and stony soils with floor rails made of wear-resistant Hardox® steel. Elevator drive wheels with Hardox® carrier finders enhance durability.

► **Low-Maintenance:**

Elevator guide wheels have been replaced by standard tension rollers for trouble-free use, contributing to low maintenance.

► **Reduced Wear:**

Polyamide slide bars guide the elevator belt, ensuring even material stress and minimizing wear.

► **Wear Resistance:**

Forged scraper floor chains on the wearing bars withstand up to 125 kN, 25 kN more than the previous model, showcasing increased resistance to wear.

► **Correct Tension Always:**

Automatic hydraulic tensioning of the floor chains replaces manual tensioners, preventing slipping.





Efficient Engine and Hydraulics

- ▶ **Proven Mercedes-Benz Engine:**
Utilizes proven Mercedes-Benz engine technology, paired with new hydraulic concepts, ensuring high field performance with low fuel consumption.
- ▶ **Low Engine Rotational Speed:**
The engine's automotive speed control regulates the rotational speed between 1,050 and 1,700 rpm, depending on performance settings, contributing to low fuel consumption.
- ▶ **Extended Service Interval:**
The maintenance interval for the diesel engine has been extended from 800 to 1,000 hours, providing a longer service life.
- ▶ **Service Indicator for Filter Replacement:**
Sensors on the hydraulic filters allow

replacement only when required, maximizing the service life and reducing maintenance costs.

- ▶ **Effortless Maintenance:**
The newly designed engine compartment, with easily accessible components, simplifies repairs, reducing maintenance time for optimal efficiency.



Engine	Mercedes-Benz OM 473, exhaust emission standards Stage V inc. AdBlue and SCR catalytic converter
Cylinders	R-6
Cubic Capacity	15.6 l
Rated Speed	1,600 rpm
Nominal Capacity at 1,600 rpm	480 kW / 652 horsepower
Max. Torque from 1,050 to 1,300 rpm	2,290 lb-ft (3,100 Nm)
Fuel System	Approx. 300 gallons (approx. 1,150 l), additional connection for filling from a tank truck
AdBlue Tank Contents	Approx. 25 gallons (approx. 95 l)



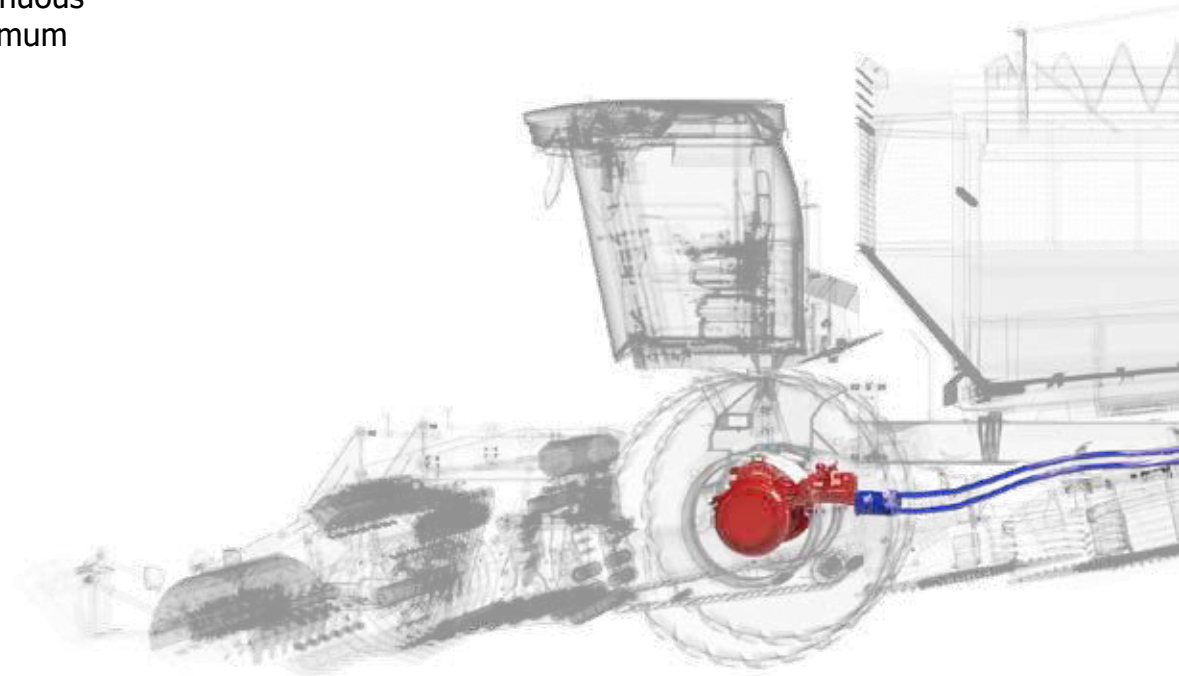
Precision Performance with EcoPower

Efficient EcoPower Engine Management

HOLMER machines operate with efficient EcoPower engine management, dynamically adapting to harvest conditions. It selects the ideal range for the diesel engine and traction drive, ensuring continuous outstanding performance and output with simultaneous minimum fuel consumption.

Distinctive Features of EcoPower:

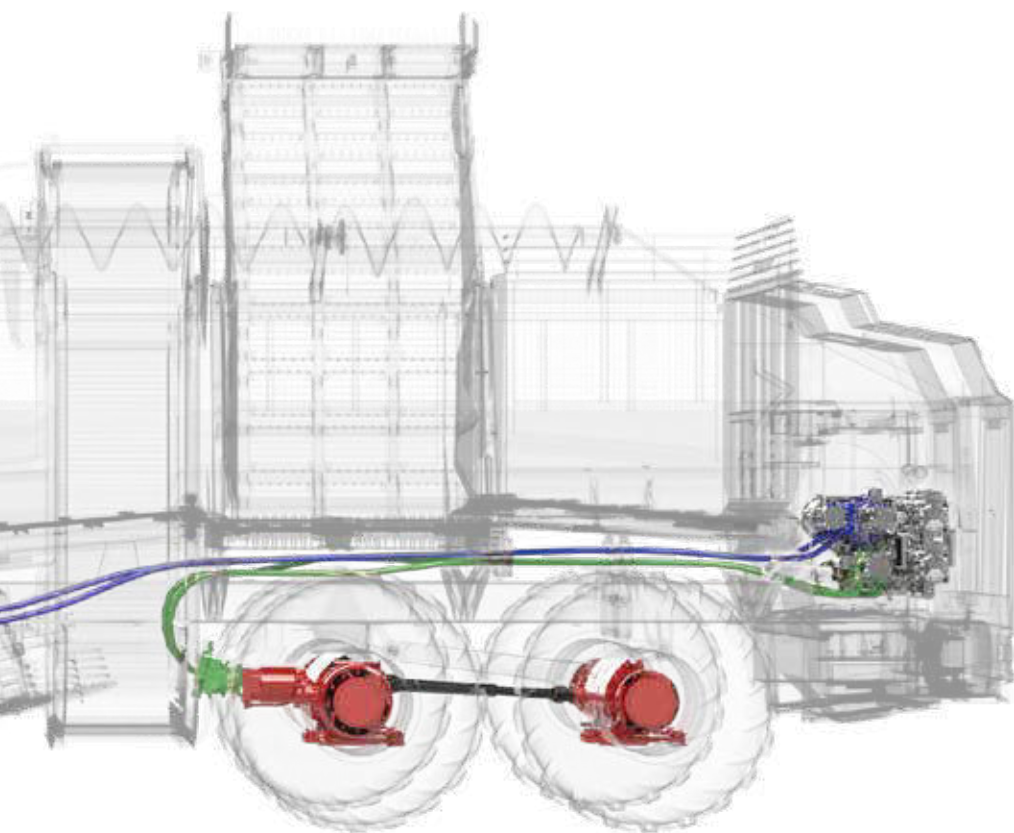
- ▶ Disconnecting of individual motor drives to save fuel
- ▶ Optimized operating point on the diesel engine
- ▶ Efficiency increase for component drives and traction drive
- ▶ Optimization of energy management



Efficient Power Transmission

The Traction Drive

The proven traction drive, equipped with direct individual hydraulically driven axles, ensures driving comfort, directional stability, and stability on slopes.



- ▶ **Energy Efficiency:**
Hydraulically driven axles with inclined-axis motors ensure efficient power transmission, contributing to energy efficiency.
- ▶ **Avoiding Bulldozing Effect:**
For maximum soil protection and vehicle stability, the lead adjusts automatically to reduce soil movements, avoiding the bulldozing effect.
- ▶ **Track Stability on Slopes:**
Drifting off when reversing on side slopes is prevented by leading the front axle, ensuring track stability.
- ▶ **Reversing with Leading:**
Drifting off is avoided by relocating the leading of the front axle when reversing.
- ▶ **Road Travel Mode:**
Zero leading is set automatically on road travel, enhancing road safety.

More soil Protection

Recognizing the soil as the essential foundation for a prosperous harvest, and our commitment lies in preserving its structure.

► **Systematic Lightweight Construction:**

Utilizes lightweight construction, employing high-strength Strenx steel to reduce weight while maintaining strength.

► **Strong Traction and Ground Protection:**

Equipped with hard-wearing VF or IF tires, the harvester delivers powerful performance with reduced pressure on the soil.

► **Large Contact Area:**

Low air pressures of 23 psi (front) and 20 psi (rear) ensure a large contact area, enhancing traction and minimizing soil impact.





Sturdy, agile and directionally stable

The frame concept

The Terra Dos 5 features a robust and lightweight design with a straight high-strength S700 steel central tubular frame made in one piece, serving as its strong and weight-optimized backbone.

- ▶ **Maneuverable**

Stability and agility with a 21.3 foot (6.50 m) inner turning circle, facilitated by a 60° swiveling articulated joint and a center of gravity centered near the middle axle.

- ▶ **Secure footing**

The Terra Dos 5 bunker is strategically positioned lower for maximum ground stability, ensuring stability even on slopes due to the lower center of gravity.

The Row Guidance Assistant

- ▶ **Stay in the row**

Automatic row guidance with the aid of the scalper and share position sensors.

- ▶ **Track-precise harvesting**

Track-precise harvesting as the row guidance assistance system steers the Terra Dos 5 perfectly in line, even in curves and on slopes, without requiring driver intervention.

'The harvester is elegant, simple and at the same time durable. I give the cabin and operation 10 out of 10. We attach great importance to harvesting quality even under demanding conditions, so the Terra Dos 5 is the right choice without doubt.'

Jaroslav Teiml,
Contractor from the Czech Republic





More data

myHOLMER

Explore various applications for efficient and comfortable work on our my-HOLMER customer portal.

► Constant overview of work progress

The integrated telematics module that transmits machine data to EasyHelp 4.0. Monitor the current position and relevant machine data online and in real time or navigate directly to the machine.

► Data analysis

Use the recorded data to keep an overview of your harvest season's mileage.

► Convenient replacement part ordering

Simply order the right replacement parts via myHOLMER.



Today **Calendar** Information agrirouter

TD5 2023

Select date:

September 2023						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Drive path:



Daily statistics for 26.09.2023

1,1 ha/h Ø hourly output	11,8 ha Daily output
4616 m/ha Ø distance travelled	
10,7 h Engine hours	57 % Harvesting time slice
8,6 l Road travel consumption	30,2 l/ha Specific consumption
4,3 km Journey distance	0,4 h Travel time



Stay Connected

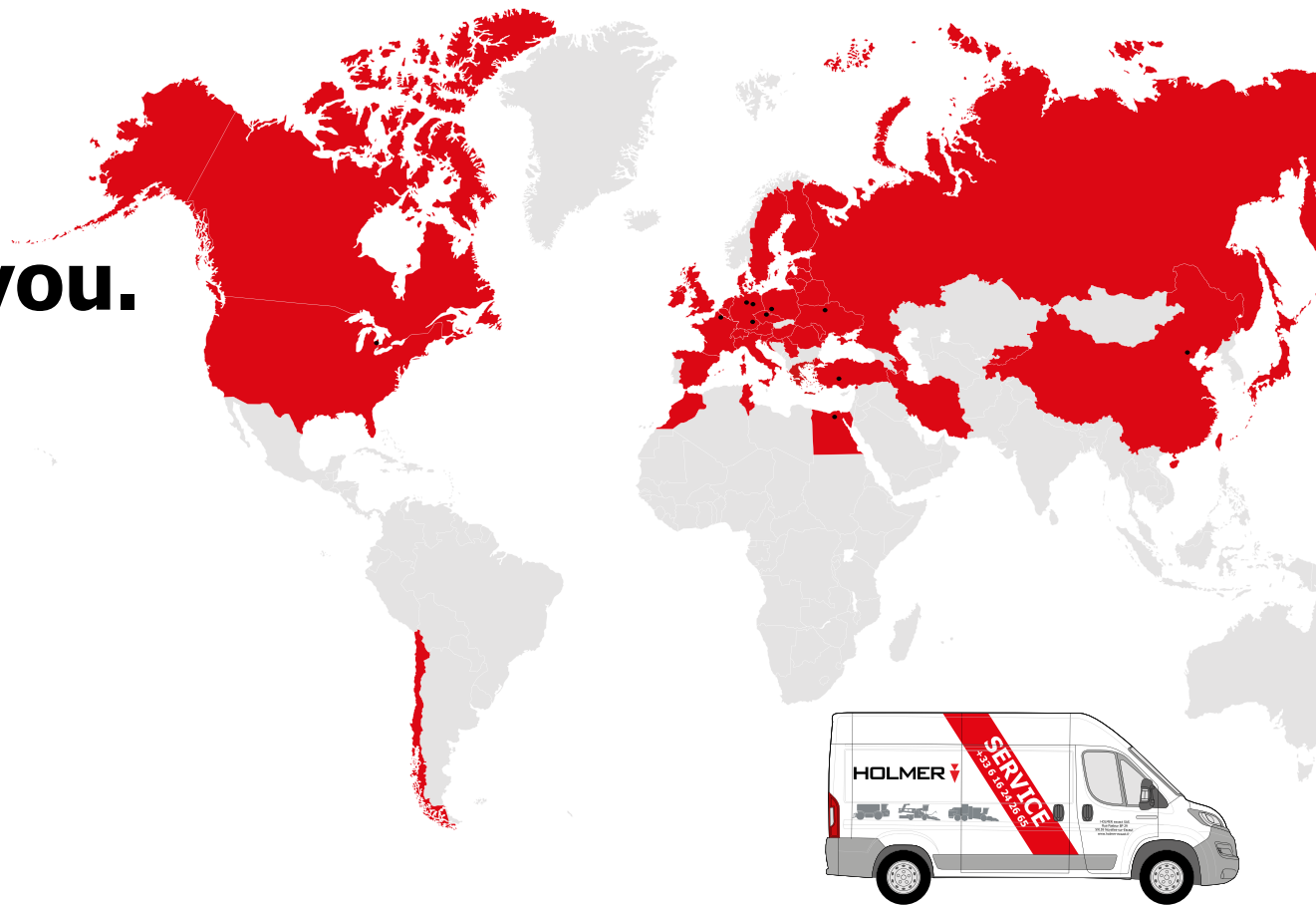
The data exchange platform interface offers you lots of options in your farm management system.

- ▶ **Simplify deployment planning**
The real-time display of the machine position, facilitating harvest planning and scheduling.
- ▶ **Order management**
Organize orders in your farm management app in the integrated additional terminal without an additional tablet to coordinate your work even more easily.
- ▶ **Use your data**
The recorded machine data seamlessly integrates into your familiar farm management system (e.g., Farmpilot or Agramonitor) via agrirouter, ensuring convenient further processing.

Always there for you. HOLMER Service

Operational reliability

- ▶ **Available worldwide**
Our service team is in action worldwide for you.
- ▶ **Always there for you – even if we aren't on the spot**
24-hour service hotline and replacement parts shipping during the harvesting campaign – for rapid support.
- ▶ **Effective diagnosis**
Fast help via the diagnosis environment in the machine terminal and remote diagnosis via telemetry data.
- ▶ **Replacement parts online**
Convenient access to the entire replacement part catalogue and direct ordering via myHOLMER.
- ▶ **Individually plannable**
Put together the various components according to your needs so that you only pay for what you really need.



EarlyBird

Secure yourself reasonably priced replacement parts.



ServiceCheck

We check your machine.



Maintenance packages

Buy replacement parts more cheaply in packages.



Maintenance contract

We maintain your machine.



FullService

We replace your wearing parts.



Warranty extension

Extend the warranty for your machine.

Training

The driver plays a key role in getting the best out of your Terra Dos 5.

- ▶ **Help with getting started for new drivers**

Newcomers receive the necessary knowledge to join sugar beet harvest.

- ▶ **For professionals too**

Experienced and long-term Terra Dos 4 drivers get to know the new innovations in order to get the best out of the machine.

- ▶ **Theory and practice**

In the theoretical part setting options and operating controls are explained and in the practical part the training participants make use of their new knowledge directly on the vehicle.

- ▶ **Know what needs to be done**

Drivers learn to react to various different conditions and to set up the machine correctly.

- ▶ **Online learning**

Training videos are available online for flexible use.

QR code for registration and training videos:



Technical Data		Terra Dos 5-30	Terra Dos 5-40
Engine	Mercedes-Benz OM 473, exhaust gas standard stage V incl. AdBlue and SCR-Cat		
Cylinder	R-6		
Piston displacement	952.76 cubic inches (15.6 liters)		
Rated engine speed	1,600 rpm		
Rated power at 1,600 rpm	480 kW / 652 horsepower		
Max. torque from 1,050 to 1,300 rpm	2,289.74 lb-ft (3,100 Nm)		
Fuel tank capacity	Approx. 303.81 gallons (approx. 1,150 liters), additional connection for tank truck filling		
AdBlue tank capacity	Approx. 25.1 gallons (approx. 95 liters)		
Propulsion			
Hydrostatic propulsion	Single axle hydraulically powered on the front and rear axle	Single axle hydraulically powered on front and middle axle Rear axle powered by drive shaft of middle axle	
	Automatic adaptation of the lead depending on the slope gradient during harvesting and while turning; zero lead during road driving		
Driving speeds	1st Gear (field gear): 0 to 8.08 mph (13 km/h), continuously variable 2nd Gear (street gear): 0 up to 24.85 mph (40 km/h), continuously variable (depending on country-specific formalities) Automotive driving mode incl. automatic speed reduction and speed control (1st and 2nd gear)		
Axles			
Axles	Front: Planetary portal steering axle Rear: Planetary steering axle	Front: planetary portal steering axle Centre: planetary steering axle Rear: ring-mounted, oscillating planetary steering axle	
Differential locks	All axles with switchable locks	All axles with switchable locks	
Chassis			
Steering modes	Central tube frame, front car designed as articulated part Four-wheel steer, turn steer (incl. articulated), four-wheel steer, diagonal steer left/right, 2 levels selectable, and combi steer Automatic steering via leaf feeler or coulter body including mix controls On-road driving with articulated steer (up to 13 km/h) Sprung comfort chassis (Terra Dos 5-30: 3rd and 4th axle; Terra Dos 5-40: only 4th axle) for road driving, height-adjustable for driving over fields		
Tyres			
	Front: 800/70 R 38 Rear: IF 1000/55 R 32	Front: 800/70 R 38 Centre: IF 1050/55 R 32 Rear: IF 1050/55 R 32	

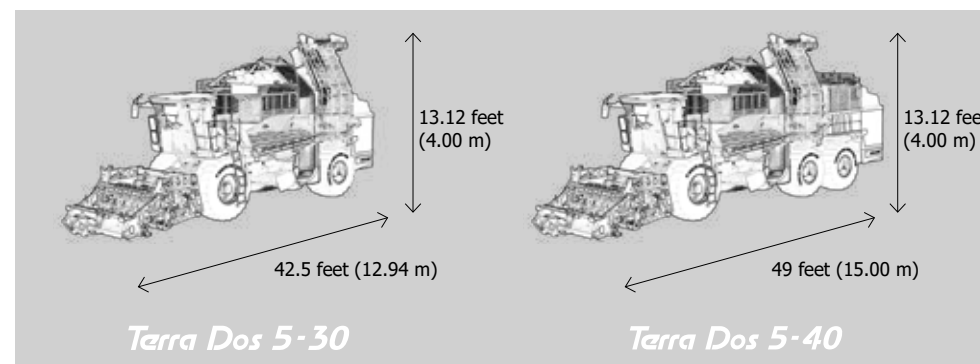
Brakes	
Service brake	Hydraulic drum brake
Parking brake	Spring-loaded parking brake
Hydraulic System	
	Hydraulic tank capacity: Approx. 45 gallons (approx. 170 liters) Load-sensing work hydraulics
HOLMER EcoPower	
	Diesel engine and traction drive management with characteristic control Lifting at low engine speed from 1,050 rpm Load-shifting lamellar clutches for decoupling pump lines during road driving
Comfort Cabin	
	2 x windscreen wipers including interval and wash function Automatic climate control Hydrodynamic cabin suspension for optimal noise and vibration insulation Underfloor heating Integrated Hoover Seat: GRAMMER driver's seat with lumbar support, seat ventilation, and seat heating Charging cradle for smartphones, wireless charging
Innovative Operating Concept: HOLMER SmartDrive	12.1-inch HOLMER EasyTouch touchscreen terminal Ergonomic multi-function arm rest incl. joystick and jog-dial can be operated and saved with quick access key settings of all units via softkeys Fault memory function and diagnostics menu including export via USB interface Armrest on the left for discharge elevator control and bunker emptying incl. automatic emptying function
Illumination	
Headlights	2 x dipped-beam headlights LED 2 x high-beam headlights LED
Work lights	1 x LED strip cabin close-up range 1 x LED strip cabin far range 2 x LED strip cabin platform (right and left) 2 x LED strip harvesting unit 2 x LED strip topper 2 x LED strip cleaning unit 1 x LED headlight bunker 2 x LED strip rear axle (right and left) 2 x LED strip unloading belt 2 x LED strip tail top
Camera System	
	Up to 4 cameras, transfer web belt (zoomable), camera for unloading belt, and rearview camera, Intelligent 360° camera – TopView
Centralised lubrication	
	BEKA-MAX, electronically controlled, under and over pressure monitored (Terra Dos 5-30 with min. (depending on equipment) 141 lubrication points; Terra Dos 5-40 with min. (depending on equipment) 171 lubrication points) Intermittent lubrication and manual actuation can be set over the terminal

Topper		
	Topper without feeler wheels incl. automatic height control, height adjustment via joystick. Fast lifting at the push of a button on the joystick. Models: HS I (I = Integral topper), 6 to 12 rows. HS KO (KO = can be switched from leaf centrifuge to integral function), only 6 rows.	
Scalper		
	HOLMER DynaCut – weight-optimized parallel scalper with automatic cutting thickness. Scalper thickness of all blades can be set centrally from the driver's seat. Preload by spring on the unit – adjustable in 3 steps.	
Lifting unit		
	Independently adjustable single-row units. Length-adjustable feed mechanism shaft. Roller track with 7 lifting and cleaning rollers, parallel adjustable (height and length). 4 short lifting and gathering rollers. Automatic reversing of the last lifting rollers. Adjustable speed of the lifting rollers (300-600 rpm). Automatic depth control via feeler wheels, adjustable lead. Side slope automatic over slope sensor. 2.76 inches (70 mm) lateral movability of all coulter bodies. EasyLift: automatic single-row depth control (series for working widths over 10.8 ft or over 3.30 m in metrics). Models: VHR 6, HR 6 to 12.	
Cleaning		
Transfer web	Reversible 35.43 inches transfer web made of ultraflexible continuous material, divided into 1.97, 2.36, or 2.76 inches (50, 60 or 70 mm).	
Turbine system	1st turbine with 1,755 mm (69.09 inches) diameter. 2nd turbine with 1,620 mm (63.78 inches) diameter. 3rd turbine with 1,620 mm (63.78 inches) diameter. Adaptive cleaning plus with automatic speed monitoring and adjustment, depending on driving speed. Wear-resistant turbine single-tines, forged.	
Grates	Partial segment grates or spring-tine grates, combinable, also available with fast-swap frames. Height of all screen grates can be adjusted centrally and steplessly from the driver's seat, with display at the terminal.	
Elevator		
	Width 39 inches (1,000 mm); ultraflexible dual cam industrial straps with forged steel actuators. Sliding rails in elevator channel.	
Bunker		
	Approx. 1,058 cubic feet / 21,000 lbs (Approx. 30 m³ / 21 t)	Approx. 1,585 cubic feet / 31,000 lbs (Approx. 45 m³ / 31 t)
Filling	2-zone bunker auger with freewheel coupling. Electronic fill-level monitoring over 2 ultrasound sensors. Automatic holding tank filling, can be switched off manually.	

Slat conveyors	1 transverse and 1 longitudinal slat conveyor, each with 4 high-strength tempered drive chains. Drive system centrally lubricated.	2 transverse and 1 longitudinal slat conveyor, each with 4 high-strength tempered drive chains. Drive system centrally lubricated.
	Automatic, hydraulic chain tension. Hardox® scraper floor rails.	
Unloading	Automatic and manual control possible; unloading belt with adjustable speed.	
	1,058 cubic feet in approx. 40 sec (30 m³ in approx. 40 sec)	1,585 cubic feet in approx. 50 sec (45 m³ in approx. 50 sec)
Discharge elevator	2 hydraulically bent articulated parts (XL discharge elevator). Memory function for unloading height and position of last articulated part incl. contour mode. Width: 71 inches (1,800 mm).	

Dimensions and Weight		
Length overall / length across everything	42.5 feet (HS I) (12.94 m)	49 feet (HS KO) (15.00 m)
Width	9.84 feet (3.00 m) (with a row spacing of 18 inches (45 cm); IF 1000/55 R 32) or 10.83 feet (3.30 m) (with a row spacing of 20 inches (50 cm) or 18-20 inches (45-50 cm))	9.84 feet (3.00 m) (with a row spacing of 18 inches (45 cm); IF 1000/55 R 32) or 10.83 feet (3.30 m) (with a row spacing of 20 inches (50 cm) or 18-20 inches (45-50 cm))
Height	13.12 feet (4.00 m)	13.12 feet (4.00 m)
Wheelbase	18.80 feet (5.73 m)	18.80 feet / 6.95 feet (5.73 m / 2.12 m)
Smallest turning circle (inner)	21.33 feet (6.50 m)	21.33 feet (6.50 m)
Weight	From 59,525 lbs (HS I) (from 27 t)	from 66,139 lbs (HS KO) (from 30 t)

Optional equipment on request



Subject to modifications for technical progress; approved by TÜV and the trade association; in accordance with the CE regulations. Machine equipment depending on country-specific formalities.



HOLMER



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