

HOLMER

Terra Dos 5 HD

Terra Dos 5-30 | Terra Dos 5-40

YOUR STRONG PARTNER IN THE FIELD



OUR EXPERIENCE – FOR YOUR SUCCESS

In 1969, Alfons Holmer took over his father's village smithy. In 1974, he developed the first 6-row sugar beet harvester – a milestone in agricultural technology. HOLMER has been demonstrating its expertise in mechanical engineering for more than 50 years.

Since then, we have continued to develop the sugar beet harvester. The latest generation of the Terra Dos has been designed to comfortably harvest the maximum yield, even under the most difficult harvesting conditions. Whether dry leaves or wet ground – the Terra Dos 5_{HD} is ready for any conditions.

Development focused on the driver at all times, with a view to making work easier by providing even greater driving comfort.

The **Terra Dos 5_{HD}** sets new standards in terms of efficiency and robustness. The abbreviation *HD* stands for *Heavy Duty* and emphasizes the use of particularly resistant wear parts made of Hardox® special steel. HOLMER has taken the opportunity to further develop the proven Terra Dos 5 with a model update: With new convenient features in the cab and numerous detailed improvements, the Terra Dos 5_{HD} impresses with even higher quality, performance, and durability.



1974 – FIRST 6-ROW BEET HARVESTER



1992 – CLASSIC

Terra Dos 5 HD

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CONCEPT

Get more out of it!

The new generation of beet harvesters. The Terra Dos 5_{HD} builds on the proven success of its predecessor and sets new standards. It focuses on our drivers and the machine's cost-effectiveness. Driver assistance systems and intuitive operation guarantee the best harvesting quality under all conditions.

HOLMER EasyLift

The automatic single-row depth control reduces the driver's workload while also reducing fuel consumption and wear-and-tear.

Gentle all-rounder

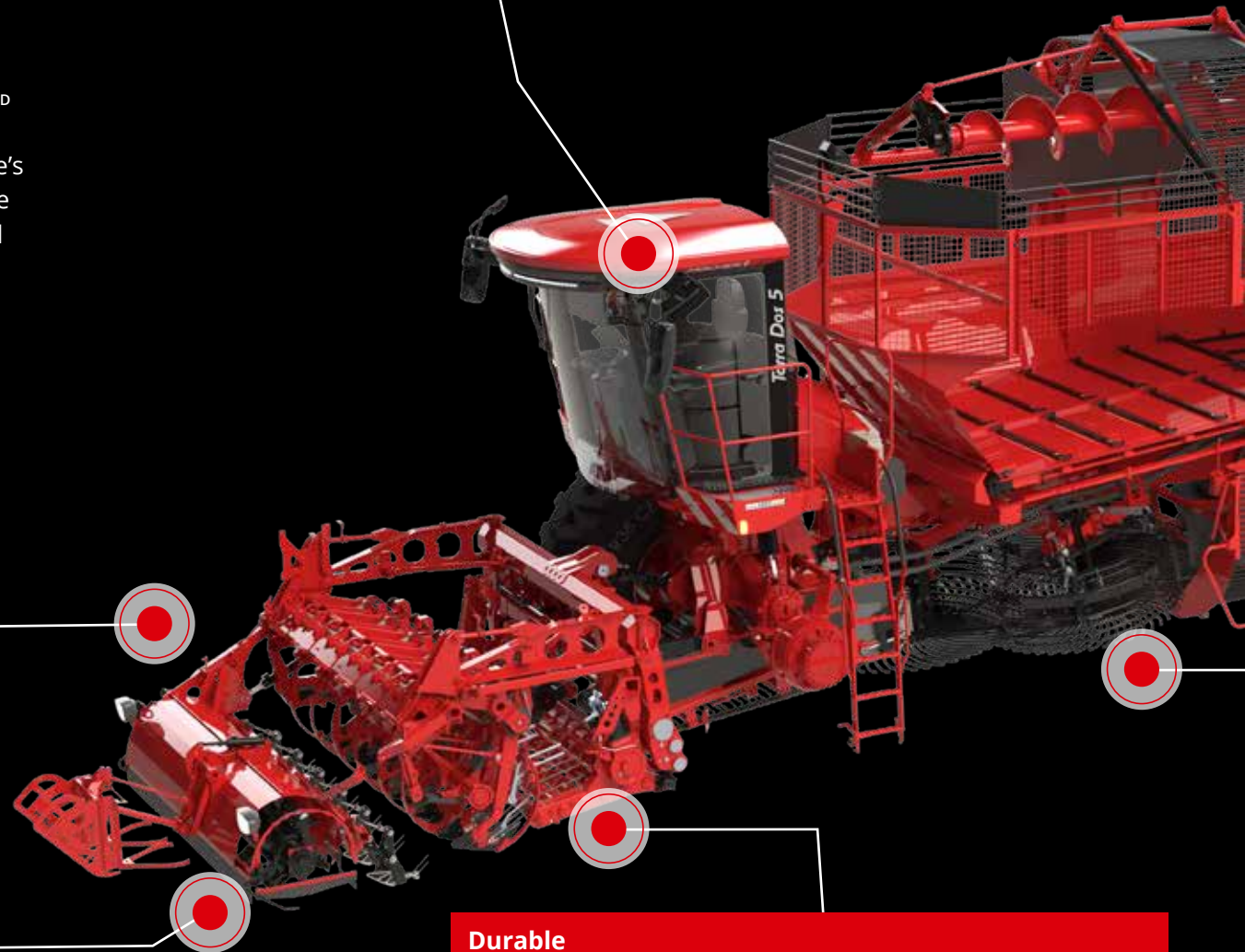
The details of the topper and lifting unit have been improved to achieve perfect harvesting quality in all conditions.

Extraordinary comfort

Spacious and ergonomic – the new HOLMER Comfort Cab III offers an attractive workplace.

Durable

DuraShare plowshares and various Hardox® components ensure a long service life and minimize maintenance requirements.

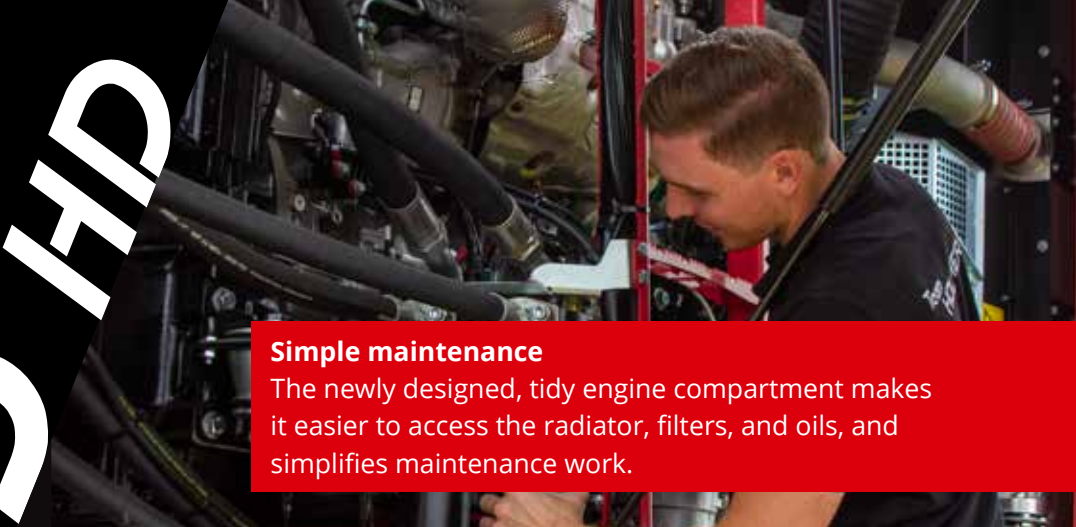




Best possible cleaning

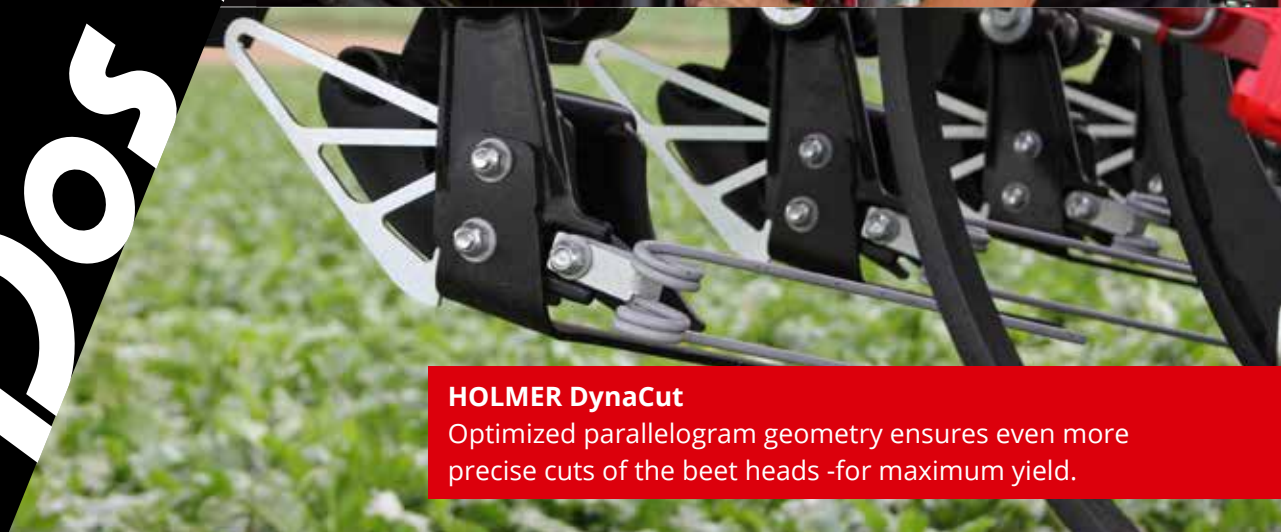
Larger sieve stars ensure optimal beet flow and effective cleaning via centrifugal forces.

Terra Dos 5 HD



Simple maintenance

The newly designed, tidy engine compartment makes it easier to access the radiator, filters, and oils, and simplifies maintenance work.



HOLMER DynaCut

Optimized parallelogram geometry ensures even more precise cuts of the beet heads -for maximum yield.



Best view

The new lighting concept brings light into the darkness. For the best view around the combine harvester, even at night.

Terra Dos 5 HD

ONE HARVESTER – TWO MODELS

The sugar beet harvester is available in the Terra Dos 5-30 and Terra Dos 5-40 versions, with two or three axles. HOLMER is retaining its tried-and-tested modular design, which means the models are as similar as possible. This keeps spare part costs low and makes servicing easier.

Terra Dos 5-30

- ▶▶ 30 m³/21 t bunker capacity
- ▶▶ Unloading capacity: 30 m³ in approx. 40 sec.
- ▶▶ Unladen weight: from 27 t
- ▶▶ 2 driven, steerable axles and articulated section

Terra Dos 5-40

- ▶▶ 45 m³/31 t bunker capacity
- ▶▶ Unloading capacity: 45 m³ in approx. 50 sec.
- ▶▶ Unladen weight: from 30 t
- ▶▶ 3 driven, steerable axles and articulated section





Terra Dos 5

40

HOLMER

FROM THREE TO TWO AXLES: PLEASE BEND HERE.



MORE DRIVING COMFORT

The HOLMER Comfort Cabin III

▶▶ More space

The enlarged cab and revised seat ergonomics offer plenty of space and legroom for the driver. Numerous storage options ensure order and convenience.

▶▶ Everything in view

Optimal view of the harvester and topper thanks to the panoramic windshield with a recessed bottom edge.

▶▶ Ergonomic working

We have further developed our HOLMER SmartDrive concept with the driver in mind – for maximum operating comfort and fatigue-free working.

▶▶ Easier unloading

The new unloading belt control with automatic and memory functions in the left armrest makes unloading easier.

▶▶ Smooth ride

Background noise in the cabin has been reduced even further compared to the previous model.



EVEN MORE DRIVING COMFORT

We have fully optimized the cabin to ensure you feel comfortable even on long working days:

▶▶ **Warm feet on cold days**

With underfloor heating, you'll feel comfortable all over.

▶▶ **Always charged**

The integrated induction charger in the armrest allows you to charge your smartphone during long working days.

▶▶ **For a clean workspace**

With the new integrated vacuum cleaner under the seat, your favorite workspace stays tidy.

▶▶ **Integrated tablet**

The integrated additional terminal can be used for your apps: for music, your farm management system, and much more.

▶▶ **Comfort right down to your toes**

The perfectly fitting, high-quality suede floor mat combines an elegant ambiance with pleasant comfort underfoot. For extra comfort in the vehicle cabin.





ROAD TRAVEL AT THE TOUCH OF A BUTTON

Once you've completed your work, you can simply switch the Terra Dos 5_{HD} to street mode. The leaf sensor, topper and bunker unloading belt can be detracted at the touch of a button.

Road safety

To comply with the EU's axle load requirements, support wheels are installed on the side walls, which can be quickly lowered from the driver's cab. For greater ease of use and safety on the road.

MAINTAIN AN OVERVIEW

HOLMER SmartDrive

The HOLMER EasyTouch terminal provides the most important information at a glance.

- ▶▶ The new user interface with a minimalist design gives you a simple overview of your machine.
- ▶▶ Various status displays can be freely configured and stored in the driver profile. Your settings will be saved the next time you drive off.
- ▶▶ Easily recognizable symbols and intuitive operation enable new drivers to get started quickly.
- ▶▶ By way of the terminal transmission to EasyHelp 4.0, the driver can be supported remotely.





Four high-resolution digital cameras provide you with images around the machine

The cameras on the Terra Dos 5_{HD} give you the best overview of the machine and the entire harvesting process.

Keep a close eye on the beet flow: the zoom function enables you to specifically monitor the key point – the transfer of the beets from the filter belt to the first turbine.

- ▶▶ **Cleaning camera**
with zoom on transition transfer web and the first turbine
- ▶▶ **Unloading belt camera**
- ▶▶ **Reversing camera**
- ▶▶ **Intelligent 360° camera – TopView**
For safety and visibility when maneuvering, the camera automatically focuses on the relevant side of the machine when the steering wheel is turned.

MORE LIGHT

The lighting concept has been completely redesigned. Wide LED strips are attached to the cabin for more uniform illumination.

More than 300 powerful LEDs illuminate the area around the harvester evenly without shadows. For safety and visibility when harvesting, unloading and turning.

For safe loading, the lighting can be dimmed in different areas of the vehicle so that no one is blinded.

Intuitive operation

Control the lighting easily via the HOLMER EasyTouch control terminal. Various lighting combinations can be set as favorites here and called up at the touch of a button.

TERRA DOS T4-40



Terra Dos 5 HD



EXPERIENCE FROM THE FIELD

"The transition from the T4 to the Terra Dos 5 is straightforward. The cabin is spacious, quiet and comfortable – it's like sitting in a living room."

ALFRED WIMMER

Driver at the Mering sugar beet harvesting cooperative





TOPPER



The topper cuts the beet foliage down to the preset crown height.

- ▶▶ Better suction power for dry leaves and weeds due to the compact hood.
- ▶▶ Forged T-knives increase durability.
- ▶▶ Fuel savings through low topper speed.
- ▶▶ Variable row spacing (45, 47.5, 48, 50 cm) adjustable from the cab.
- ▶▶ Automatic topper height control to the set stump height.
- ▶▶ Optional combination shaft: A combination of T-knives and rubber topers, ensuring clean leaf removal.



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

- ▶▶ Leaf residue is placed between the rows, ensuring even soil coverage and optimal use of organic material.
- ▶▶ Lightweight, maintenance-free design.
- ▶▶ Optimized visibility thanks to a flat topper hood.

HS KO – Combination topper (6 rows)

- ▶▶ Even distribution of beet leaves and weeds by the leaf blower.
- ▶▶ Switching between leaf placement and the leaf spreader at the push of a button for flexibility and convenience.
- ▶▶ Optional HOLMER leaf belt for leaf collection for further use of the biomass.

Combination defoliater (6|9|12 rows)

- ▶▶ Additional equipment option for HS I (6–12 rows) and HS KO.
- ▶▶ Longitudinal scrapers gently remove the leaves without cutting them off the beet and harvest them whole.

MORE PRECISION – HOLMER DYNACUT

To ensure optimal topping of each beet, we have further developed the HOLMER DynaCut minimal scalper.

▶▶ **Quick adjustment**

Thanks to their low weight, the scalpers adapt to different beet sizes even at high speeds.

▶▶ **Precise cutting angle**

The optimized parallelogram geometry ensures even cutting the beet even more accurately.

▶▶ **Maximum yield**

Uniform and precise cuts for minimal cutting of the beets yield the maximum possible harvest.

▶▶ **Robust comb and sharp blades**

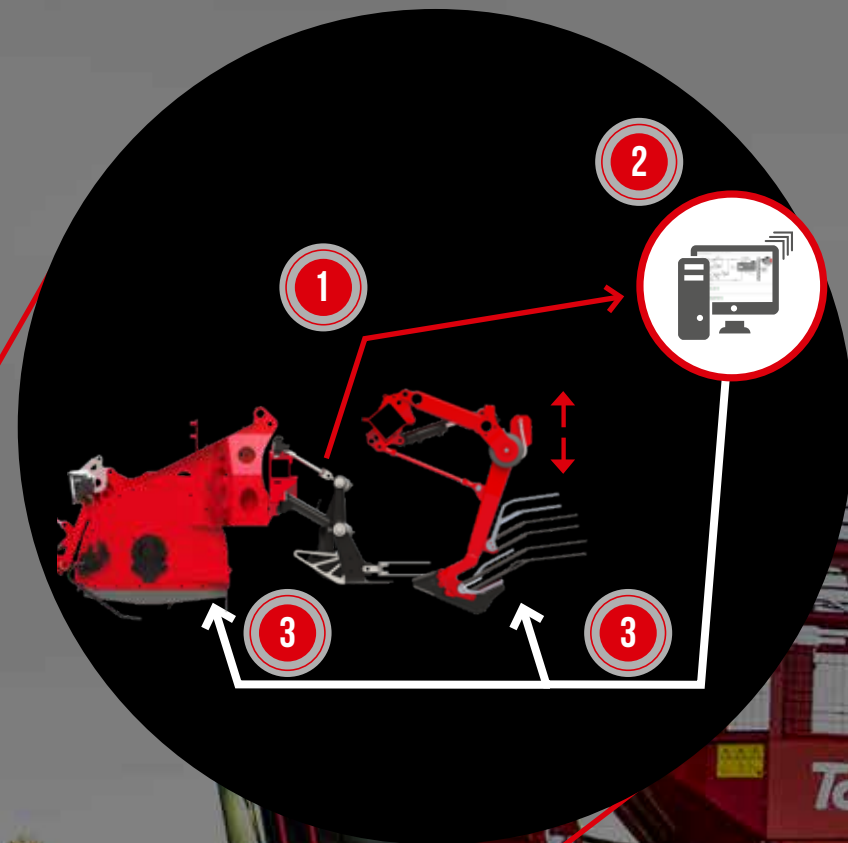
The hardened, self-sharpening, blades maintain peak performance, even under continual heavy use – for maximum durability.



SMART TECHNOLOGY — FOR HIGHER YIELDS

The automatic single-row height adjustments of the Terra Dos 5HD reduce the driver's workload and maximize yield. The accuracy of the DynaCut minimal header is crucial for this because it determines the further settings of EasyLift and topper height.

- 1** Potentiometers on the minimum heads measure the crown heights of the beets.
- 2** This information is forwarded to the powerful on-board computer.
- 3** The exact size of the beets is used to automatically adjust the height of the topper and – with HOLMER EasyLift – the cutter body. This ensures that every beet is harvested gently, regardless of wheel tracks or uneven ground.



HOLMER EASYLIFT

Regardless of varied beet heights, wheel tracks, or uneven crop growth, the HOLMER EasyLift system ensures each beet is harvested at the optimal depth.

▶▶ **Optimal working depth**

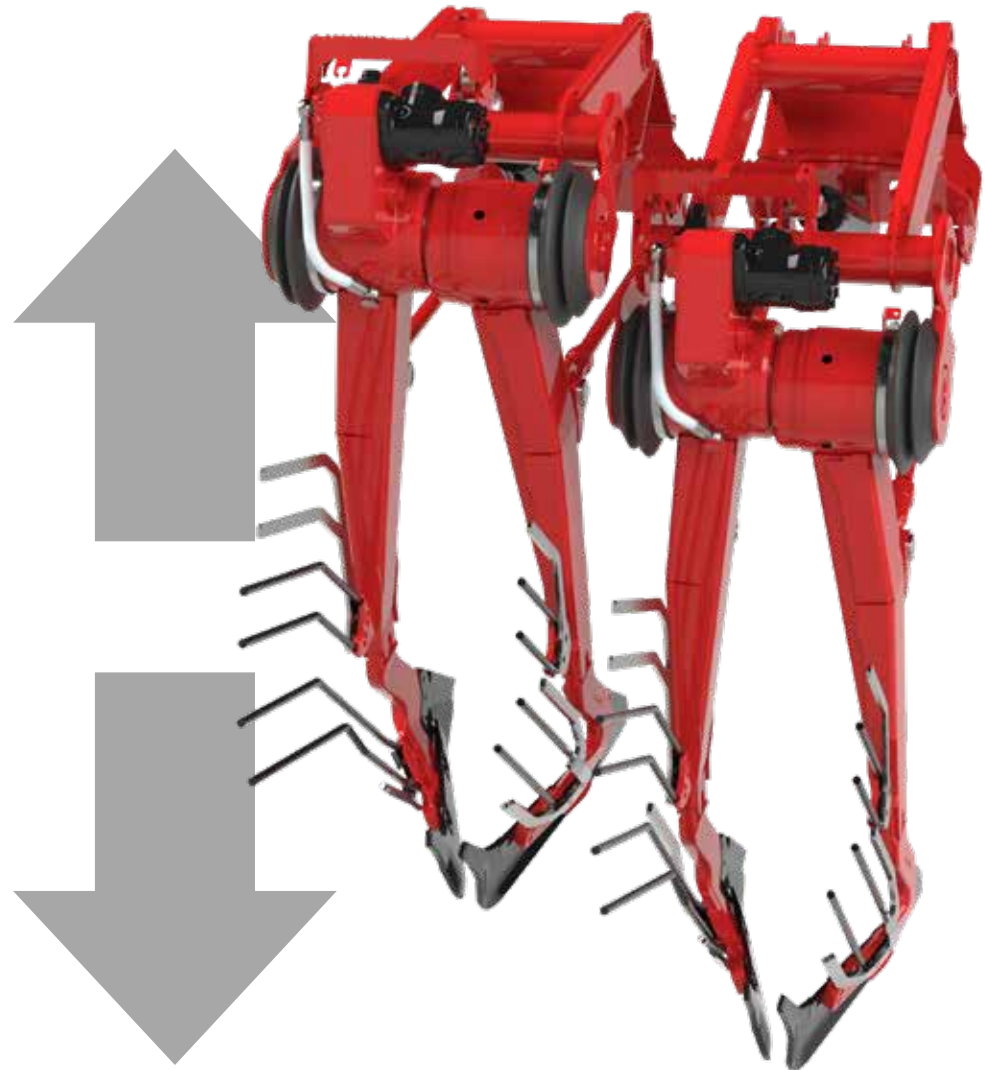
Automatic depth control of individual share bodies, based on beet head height, prevents breakage losses and damage.

▶▶ **Minimizes fuel consumption and wear-and-tear**

The automatic height control prevents excessive digging, thereby contributing to the longevity of the machine and lower operating costs because digging just 1 cm too deep means approx. 100 t/ha of unnecessary earth movement.

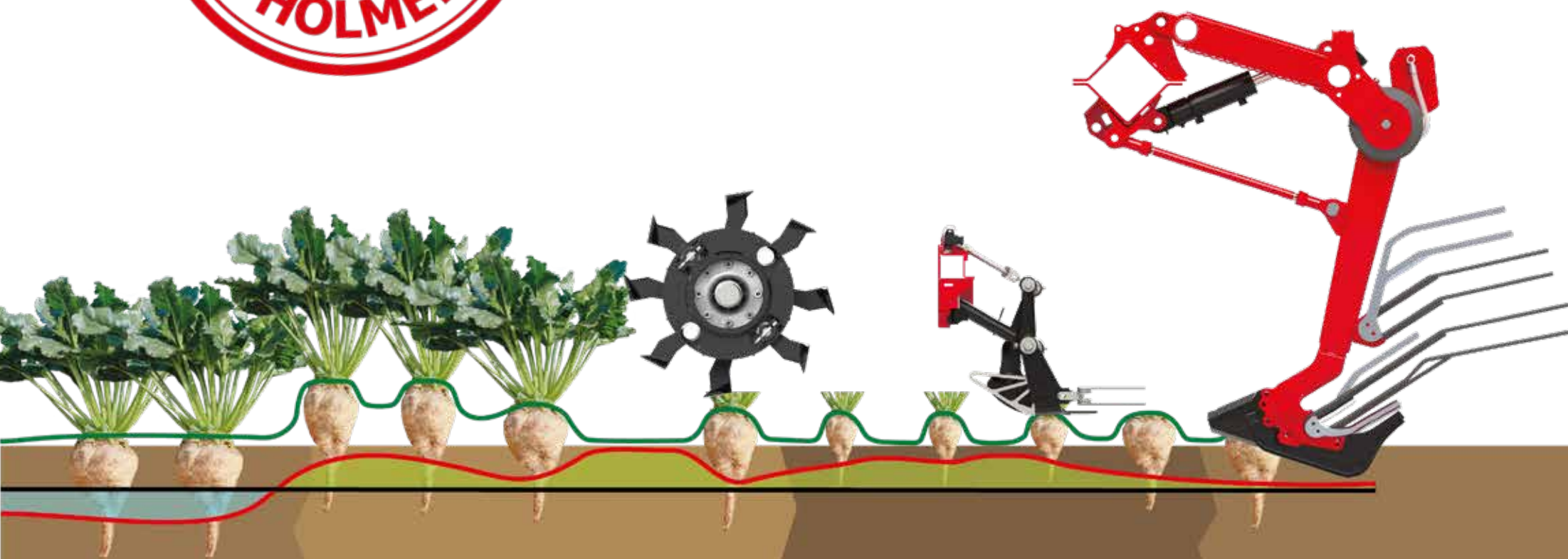
▶▶ **Convenient driver comfort**

The automatic depth regulation makes operation easier, reducing strain on experienced operators during long workdays.





EasyLift 
The new ease of the lifter.



 Less unnecessary earth movements

 Less damage and higher yields

 Precise cutting with DynaCut

 Constant digging depth without EasyLift

 Optimal digging depth with EasyLift

LIFTING AGGREGATES

▶▶ **Precise contour tracking**

The 850 mm depth wheels allow the lifting unit to adjust more precisely to uneven terrain, ensuring reliable and fuel-efficient operation.

▶▶ **Gentle beet lifting**

The elliptically oscillating shares loosen the beets gently, minimizing breakage losses. The depth of each share can be adjusted and read down to the centimeter.

▶▶ **Greater yield from the field**

Enlarged force feed paddles reliably transport the beets to the roller table.

▶▶ **Harvests every beet**

The 70 mm lateral flexibility of the share bodies ensures that even misaligned beets are reliably lifted.

▶▶ **Ideal cleaning**

Seven continuously adjustable (300 to 600 U/min) cleaning and harvesting rollers for gentle and powerful conveying. Optional larger grubbing roller diameters reduce losses when harvesting small beets and specialty crops.



Different soil conditions

The forced entry wave can be adjusted horizontally to increase or decrease the distance between the feeler wheel rubbers and the share body depending on the soil conditions.

Longer service life

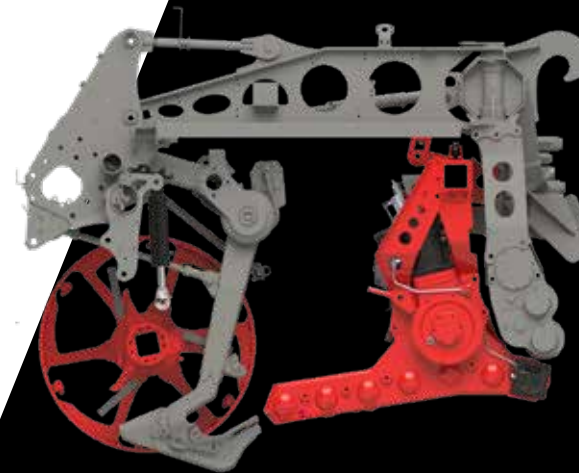
Longer service life and lower wear costs thanks to HOLMER DuraShare and Hardox® rollers.

▶▶ Durable plowshares

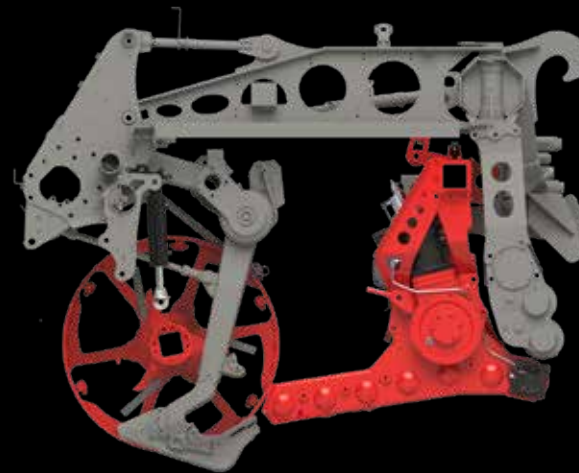
The HOLMER DuraShare plowshares last twice as long as conventional shares, ensuring consistent harvesting quality under all conditions.

▶▶ Abrasion-resistant rollers

The clearing rollers, made from high-quality Hardox® steel, are particularly wear-resistant and durable. Less wear means lower maintenance costs.



Front forced feed shaft for light soils



Rear forced entry shaft for heavy 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 5HD.

▶▶ Greater soil conservation

Soil conservation by way of plowing at reduced speed and fewer passes.

▶▶ Optimized logistics concept

Rapid unloading during harvesting, even onto high unloading vehicles, is possible with the long harvesting belt – for greater harvesting performance.

▶▶ High impact force

The wider lifting units enable the full harvester to achieve a higher area output.

▶▶ Increased efficiency

You achieve maximum efficiency by utilizing machine capacity and reducing operating costs.

▶▶ Easy transport

The unit can be attached to the harvester with the appropriate HOLMER transport cart for traveling on roads. The integral topper also has a simple transport position: at the touch of a button, the topper is hydraulically folded up 180°.

▶▶ EasyConnect – quick and easy coupling

With the HOLMER EasyConnect quick coupling system, the unit can be conveniently connected and disconnected from all supply lines directly from the driver's seat. For fast setup times and occupational safety.





MORE CLEANING

The largest turbine cleaning system on the market uses high centrifugal forces to ensure maximum cleaning of the beets. This ensures that clean and undamaged beets end up in the bunker.

►► **Largest cleaning area**

The 900 mm wide sieve belt with rubber carriers and the 12 % larger sieve star area offer an enormous cleaning area for clean beets.

►► **For every beet size**

The transfer web is available in different pitches for different beet sizes.

►► **Continuous beet flow**

Infinitely variable transfer web speed, turbine speed, and screen grate height guarantee a continuous flow of material for ideal cleaning.

►► **Optimal cleaning**

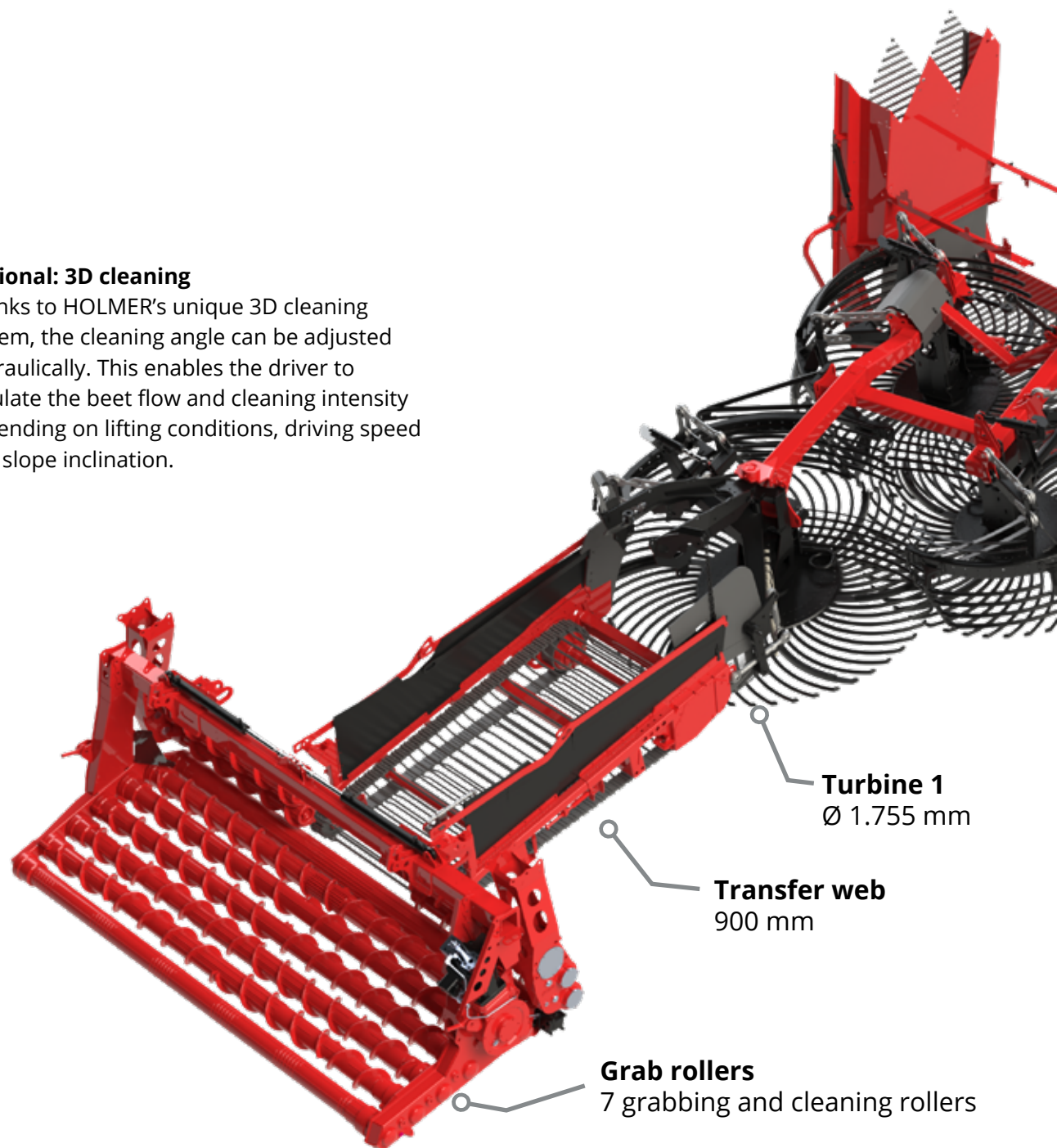
The intensity of cleaning can be selected by switching between sliding grates and spring tines in segments.

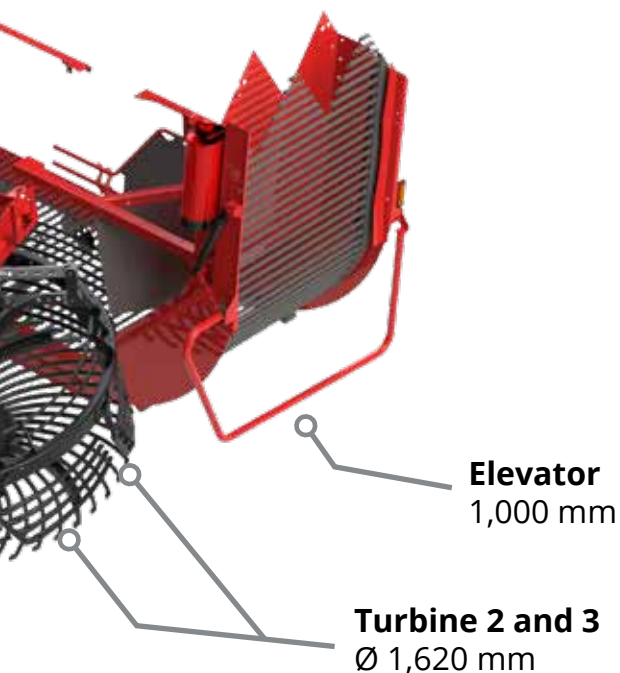
►► **Greater stability**

The forged rods in the elevator belt can withstand greater tensile strength and provide stability.

►► **Optional: 3D cleaning**

Thanks to HOLMER's unique 3D cleaning system, the cleaning angle can be adjusted hydraulically. This enables the driver to regulate the beet flow and cleaning intensity depending on lifting conditions, driving speed and slope inclination.





Increased resilience and efficiency

The clearing rollers (2-5), elevator drive wheels, discharge conveyor side plates and scraper floor plates and scraper bars are made of high-quality Hardox® steel and are particularly wear-resistant and durable, including under difficult operating conditions.

Less stress for the driver with adaptive Cleaning Plus

To ensure the best possible beet protection and reduce strain on the driver, the cleaning speed is adjusted in line with the current beet throughput.

- ▶▶ **Reliable cleaning and feed performance**
Independent drives automatically regulate the speed of the transfer web and turbines based on pressure.
- ▶▶ **Gentle on small quantities of beets**
Automatic adjustment of the transfer web, turbines and elevator in line with the beet throughput prevents damage to the beets and ensures gentle cleaning.
- ▶▶ **Flexible adjustment**
The response behavior of the automatic system can be individually adjusted.



Turbine tines



Driver

Lower maintenance costs

- ▶▶ Forged, hardened turbine tines and sliding grates made of special steel ensure durability.
- ▶▶ Each turbine tine can be individually replaced, reducing spare part costs by 15%.
- ▶▶ Screwed-on drivers ensure better crop flow and reduced maintenance costs.



Terra Dos 5-30



Terra Dos 5-40



QUICK AND CLEAN UNLOADING

The bunker

▶▶ For every surface structure

Ideally equipped with a loading volume of 30 m³ or 45 m³.

▶▶ Extra-long unloading belt

Thanks to the three articulated sections, you can transfer to transport vehicles over 4 m high or create neat piles from a flat drop angle without rolling over the beets.

▶▶ Even loading and unloading

The two-part bunker screw in the Terra Dos 5-40 automatically ensures balanced filling. During unloading, the centrally positioned unloading belt is fed evenly with beets from both sides.

▶▶ Know the fill level

Ultrasonic sensors measure the loading fill level for accurate yield estimation.

▶▶ Left-hand unloading

The unloading belt control with continuously adjustable unloading belt speed, automatic follow-up control and configurable programs (height and speed) is integrated in the left armrest.

▶▶ Fast and gentle unloading

The 1,800 mm wide unloading belt with PU carriers can be unloaded within 40 or 50 seconds.



BUILT TO RELIABLY HANDLE HEAVY-DUTY WORK

During development of the Terra Dos 5_{HD}, particular attention was paid to ensuring a durable and robust design. This is also evident in the case of the bunker.

►► Abrasion-resistant steel

The Terra Dos 5_{HD} with scraper floor slats made of durable Hardox® steel withstands sandy and stony ground. Elevator drive wheels with Hardox® drive fingers have further increased durability.

►► Low maintenance

Elevator guide wheels have been replaced with standard support rollers for smooth operation.

►► Less wear-and-tear

Polyamide slide rails guide the elevator belt to ensure even material loading.

►► Wear-and-tear resistant

The forged scraper floor chain mounted on wear bars can withstand up to 125 kN – 25 kN more than the previous model.

►► Always the right tension

Automatic hydraulic tensioning of the scraper chains replaces manual retensioning and thus prevents skipping.





MAXIMUM PERFORMANCE WITH LOW CONSUMPTION

▶▶ Engine and hydraulics

Proven Mercedes-Benz engine technology combined with a new hydraulic concept delivers powerful performance and low fuel consumption.

▶▶ Low grubbing rotational speed

The automotive speed control automatically adjusts engine speeds between 1,050 rpm and 1,300 rpm, depending on power demand, ensuring efficient operation.

▶▶ Extended service interval

The service interval for the diesel engine has increased from 800 hours to 1,000 hours.

▶▶ Service indicator for filter replacement

Sensors on the hydraulic filters monitor actual wear-and-tear and trigger a filter replacement only when necessary. This maximizes service life and reduces maintenance costs.

▶▶ Easy to maintain

The newly designed engine compartment with easily accessible components makes it easier to perform repair work, reducing maintenance costs.



Engine	Mercedes-Benz OM 473, Stage V emissions standard, including AdBlue and SCR catalytic converter
Cylinder	R-6
Displacement	15.6 liters
Rated speed	1,600 rpm
Rated power at 1,600 rpm	480 kW / 652 hp
Maximum torque from 1,050 rpm to 1,300 rpm	3,100 Nm
Fuel tank capacity	approx. 1,150 liters, additional connection for tanker truck filling
AdBlue tank capacity	approx. 95 liters



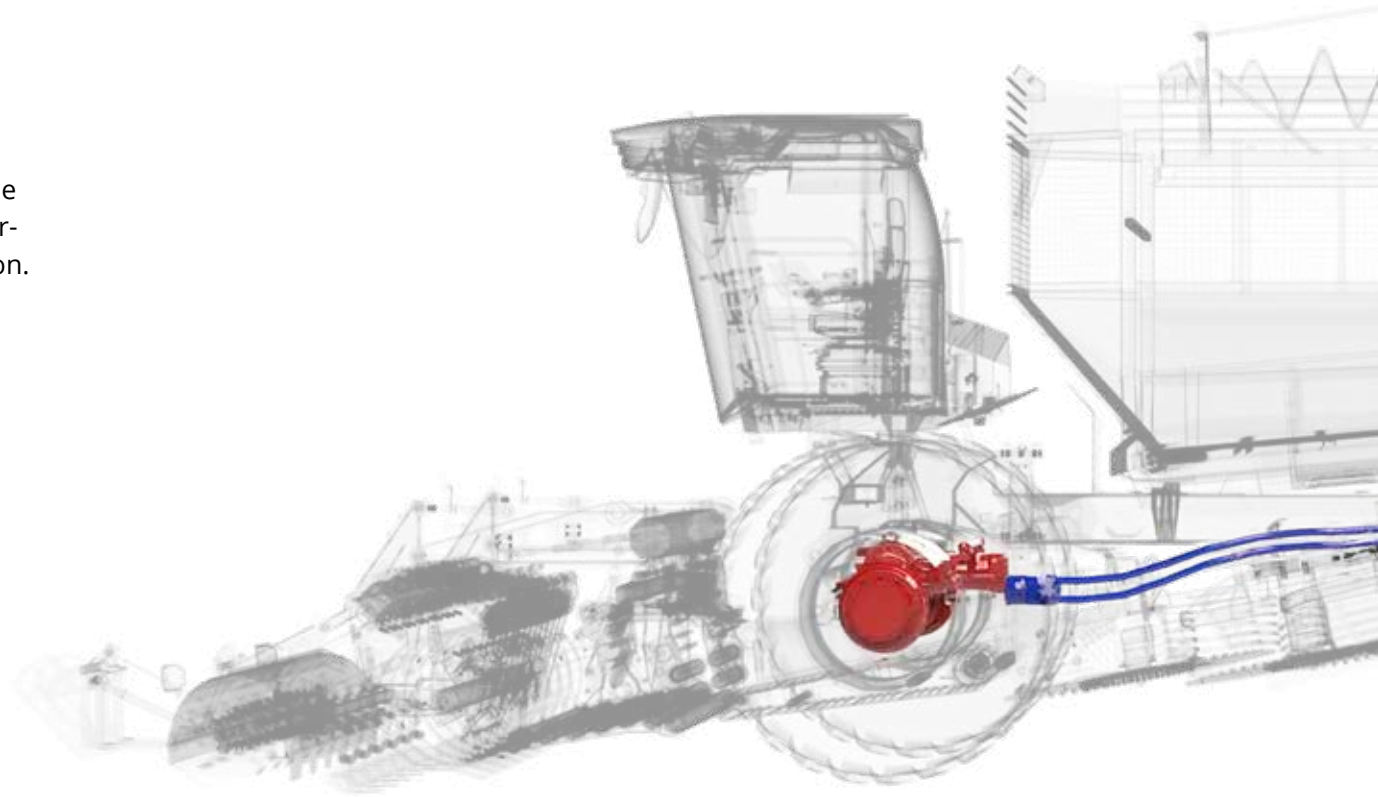
PERFORMANCE EXACTLY WHEN YOU NEED IT

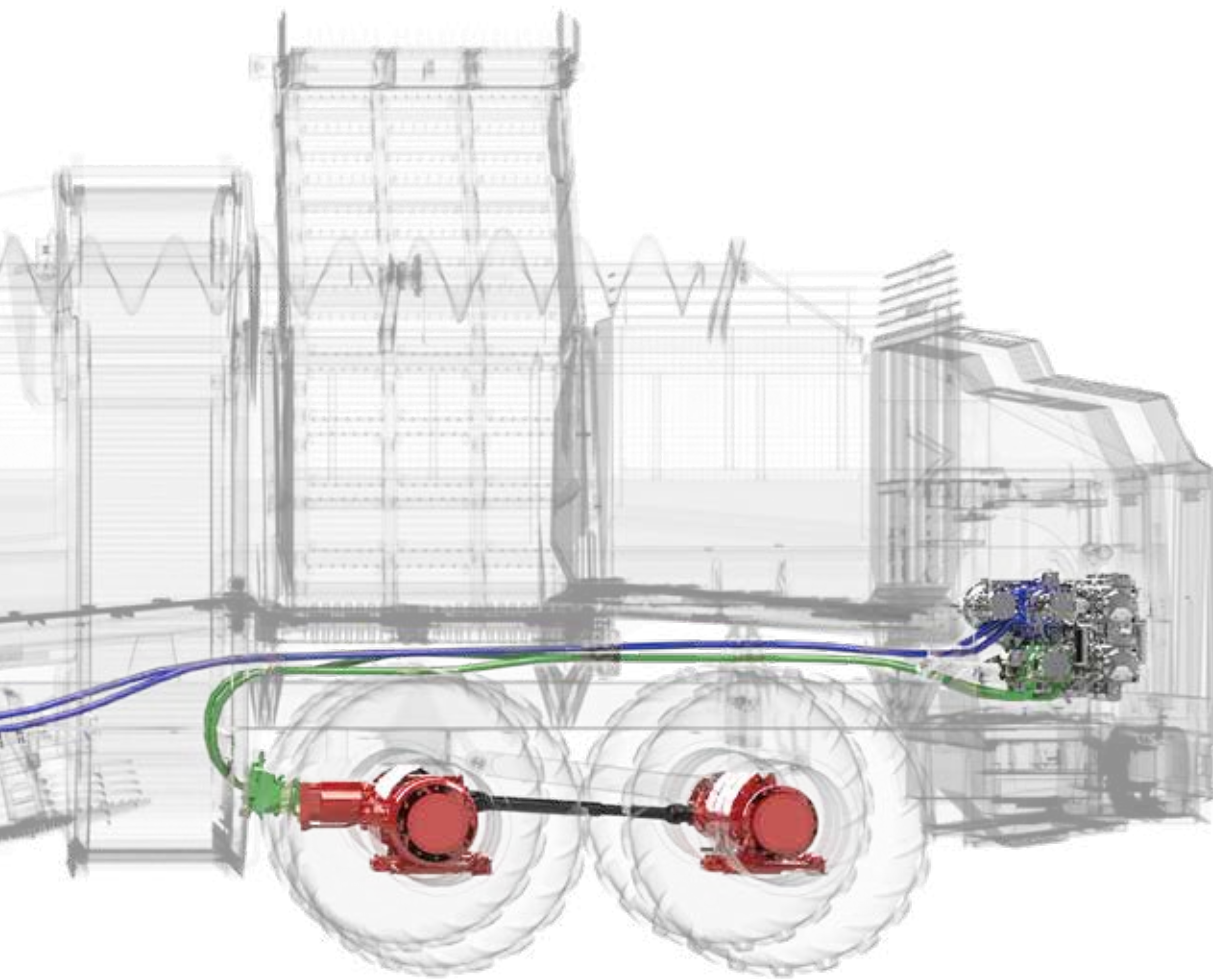
EcoPower

HOLMER machines are equipped with the efficient EcoPower engine management system: it dynamically adapts in line with the respective application and thus selects the optimum range for the diesel engine and the drive system. This ensures consistently outstanding performance and power while minimizing fuel consumption.

This is what makes EcoPower special:

- ▶▶ Decoupling of individual drives to save fuel.
- ▶▶ Optimized operating point on the diesel engine.
- ▶▶ Increased efficiency of all assemblies and the drive system.
- ▶▶ Optimization of overall energy management.





EFFICIENT POWER TRANSMISSION

The traction drive

The proven drive system with individual hydraulically driven axles provides driving comfort, directional stability and stability on slopes.

▶▶ Energy efficiency

Hydraulically driven axles with inclined axis motors ensure efficient power transmission.

▶▶ Avoiding the bulldozing effect

For maximum soil protection and vehicle stability, the lead angle automatically adjusts to reduce soil displacement.

▶▶ Tracking stability on side slopes

Pre-emptive movement of the front axle when driving forward prevents drifting on side slopes.

▶▶ Reverse drive with lead angle

When reversing, the lead angle shifts to prevent drifting.

▶▶ Road driving mode

To optimize operating costs, zero advance is automatically set for road driving.

MORE SOIL PROTECTION

Soil is the foundation of a productive harvest. That's why we do everything possible to preserve soil structure. The lightweight construction of the entire harvester and the selection of suitable tires ensure optimal soil protection.

▶▶ **Systematic lightweight construction**

Lower weight and higher stability thanks to the use of high-strength steel.

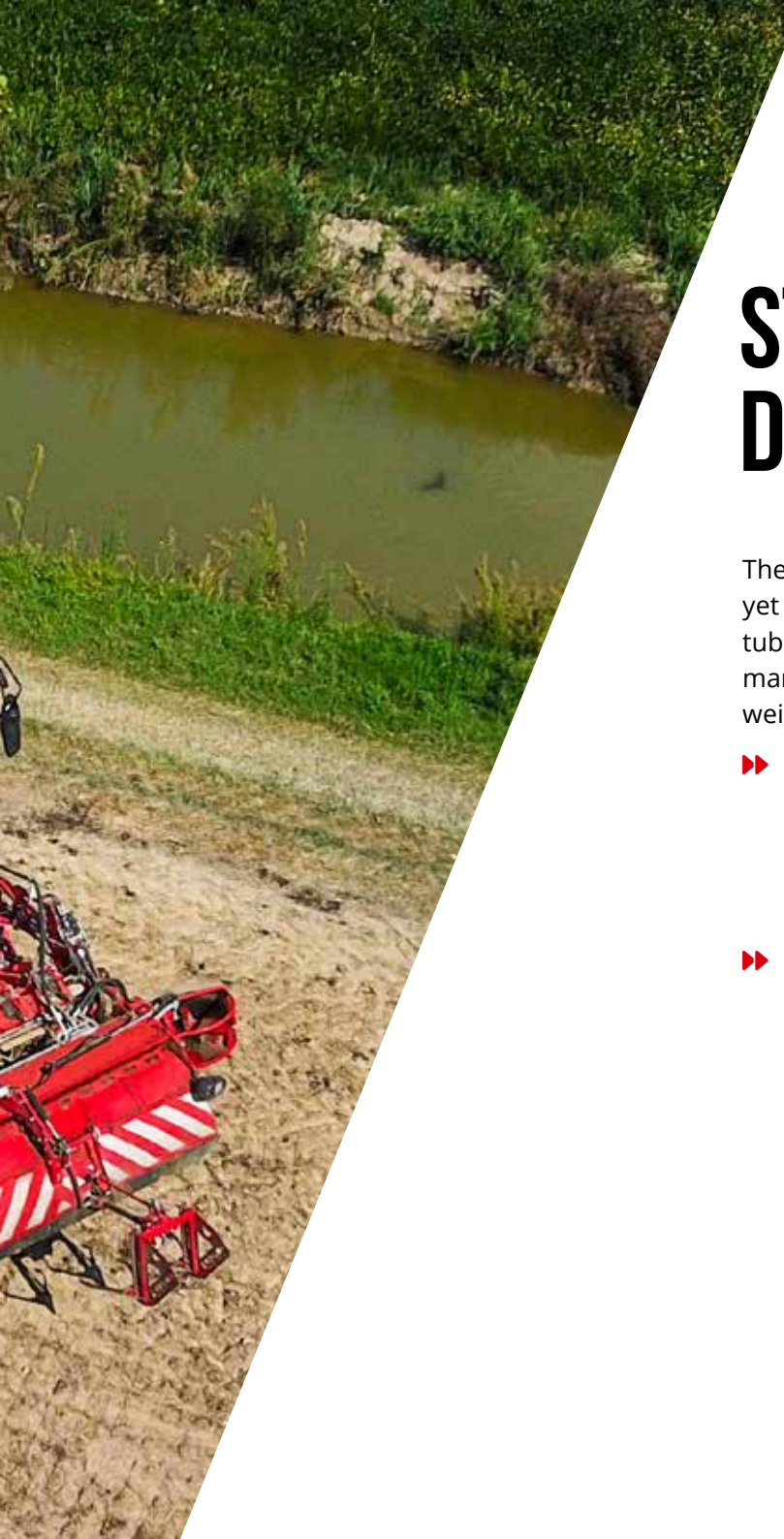
▶▶ **High traction with soil protection**

Durable VF or IF tires deliver maximum power to the field while reducing soil pressure.

▶▶ **Large contact area**

Low tire pressures of 1.6 bar (front) and 1.4 bar (rear) create a larger contact area, improving traction.





STURDY, AGILE AND DIRECTIONALLY STABLE

The Terra Dos 5_{HD} is characterized by its robust yet lightweight construction. A straight central tubular frame made of high-strength S700 steel, manufactured in one piece, serves as the lightweight yet durable backbone of the harvester.

►► Maneuverable

Stability and agility through a 7.80 m inner turning circle, thanks to a 60° swiveling articulated joint with a centered center of gravity close to the center axis.

►► Stable footing

For maximum stability, the bunker of the Terra Dos 5_{HD} is lowered – its even lower center of gravity means it remains stable even on slopes.

Steering assistant

►► Stay in line

Automatic row guidance with the help of the leaf sensor and the shank bodies.

►► Precise row guidance

The row guidance assistance system steers the Terra Dos 5_{HD} perfectly in the row, even on curves and slopes, without the driver having to intervene.

EXPERIENCE FROM THE FIELD

"The harvester is elegant, lightweight and at the same time durable. The cab and controls are 10/10. We place great importance on harvesting quality, even under demanding conditions, so the Terra Dos 5 is undoubtedly the right choice."

JAROSLAV TEIML

Contractor from the Czech Republic





MORE DATA

myHOLMER

Our customer portal, myHOLMER, bundles various applications to enable you to work efficiently and comfortably.

▶▶ Work progress always in view

The integrated telemetry module 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 get an overview of your completed campaign.

▶▶ View of the terminal

Real-time terminal transmission and screenshot function facilitate remote access to the terminal.

▶▶ Convenient spare parts ordering

Easy ordering of the right spare parts via myHOLMER.

EasyHelp 4.0

Today	Calendar	Information	agrirouter
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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



FARMPILOT



AGRARMONITOR

Stay connected

The interface to the data exchange platform offers you countless possibilities in your farm management system.

▶▶ Simple resource planning

The real-time display of the machine position facilitates resource planning and scheduling.

▶▶ Order management

Organize your orders directly in the farm management app via the integrated additional terminal – no additional tablet required – for simpler and more efficient work coordination.

▶▶ Use your data

It is fed into your usual farm management system (e.g., FarmPilot or AgrarMonitor) via agrirouter to optimize the processing of recorded machine data.

HOLMER SERVICE – ALWAYS THERE FOR YOU

Operational reliability

▶▶ Available worldwide

Our service is available to you worldwide.

▶▶ Always there for you – even when we're not on site

24-hour service hotline and spare parts shipping during the harvesting season – for rapid support.

▶▶ Effective diagnosis

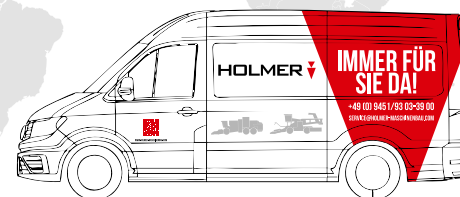
Quick assistance thanks to the diagnostic environment in the machine terminal and remote diagnosis via telemetry data.

▶▶ Spare parts online

Convenient access to the entire spare parts catalog and direct ordering via myHOLMER.

▶▶ Customizable planning

Combine the various modules according to your needs – so you only pay for what you really need.



EARLYBIRD

Get cheap spare part prices.



SERVICECHECK

We will review your machine.



SERVICING PACKAGES

Buy your spare parts in a package to save money.



SERVICE CONTRACT

We will service your machine.



FULL SERVICE

We will exchange your wear-and-tear parts.



WARRANTY EXTENSION

Extend the warranty on your machine.

TRAINING

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

▶▶ **Getting started for new drivers**

Newcomers receive the knowledge they need to get started in the campaign.

▶▶ **For professionals too**

Experienced Terra Dos drivers with many years' experience learn about the new features so they can get the most out of the vehicle.

▶▶ **Theory & practice**

The theory section explains the settings and controls, while in the practical section, participants apply their new knowledge directly to the vehicle.

▶▶ **Knowing what to do**

Drivers learn how to respond to different conditions and adjust the machine correctly.

Click here to register:



Terra Dos 5 HD

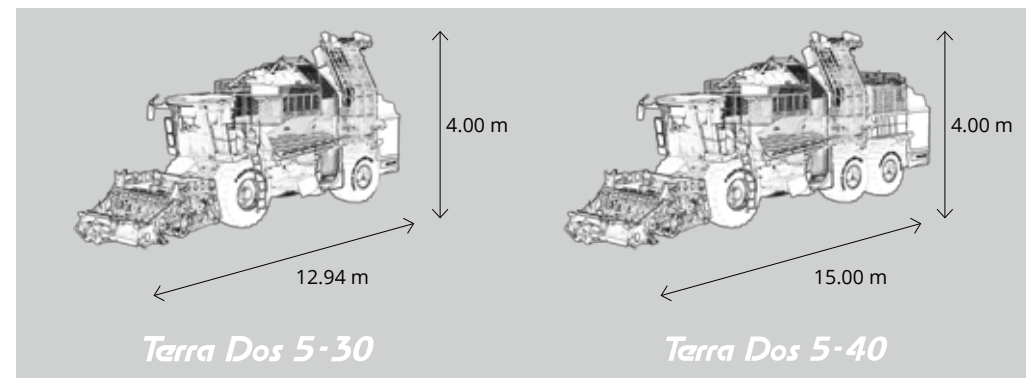
Technical specifications	<i>Terra Dos 5-30</i>	<i>Terra Dos 5-40</i>
Engine	Mercedes-Benz OM 473, Stage V emissions standard, including AdBlue and SCR catalytic converter	
Cylinder	R-6	
Displacement	15.6 l	
Rated speed	1,600 rpm	
Rated power at 1,600 rpm	480 kW / 652 hp	
Maximum torque from 1,050 rpm to 1,300 rpm	3,100 N·m	
Fuel tank capacity	approx. 1,150 l, additional connection for tanker truck filling	
AdBlue tank capacity	Approx. 95 l	
Traction drive		
Hydrostatic drive	Hydraulic single-axle drive on front and rear axles	Hydraulic single-axle drive on front and center axles Rear axle driven via drive shaft from center axle
	Automatic adjustment of lead angle depending on slope gradient during clearing and when turning; zero lead angle when driving on roads	
Driving speeds	1. Speed (plowing): 0 to 13 km/h, continuously variable 2. Gear (road gear): 0 to 40 km/h, continuously variable (depending on country-specific regulations); automotive driving mode including automatic speed reduction and cruise control (1st and 2nd gear)	
Axles		
Axles	Front: Planetary portal steering axle Rear: planetary steering axle	Front: Planetary portal steering axle Center: Planetary steering axle Rear: Spring-loaded, oscillating planetary steering axle
Differential locks	All axles with switchable lock	All axles with switchable lock
Chassis		
Steering types	Central tube frame, front end designed as an articulated section All-wheel steering, turning (including articulation), rigid steering, gentle steering left/right, 2-stage selectable, and combination steering Automatic steering via leaf sensor or shear body, including mixing control Road travel with articulated steering (up to 13 km/h) Suspension comfort chassis (Terra Dos 5-30: 3rd and 4th axle; Terra Dos 5-40: 4th axle only) for road travel, can be raised for field travel	
Tires		
	Front: 800/70 R 38 Rear: IF 1000/55 R 32	Front: 800/70 R 38 Center: IF 1050/55 R 32 Rear: IF 1050/55 R 32

Brakes	
Operating brake	Hydraulic drum brake
Parking brake	Spring-loaded parking brake
Hydraulic system	
	Hydraulic tank capacity approx. 170 l Load-sensing working hydraulics
HOLMER EcoPower	
	Diesel engine and drive management with map control Clearing at low engine speed from 1,050 rpm Power-shift capable multi-plate clutches for decoupling pump trains during road travel
Comfort cabin	
	2 x windshield wipers including interval and wash function Automatic climate control Hydrodynamic cabin suspension for optimum noise and vibration damping Underfloor heating Integrated vacuum cleaner GRAMMER driver's seat with lumbar support, seat ventilation and seat heating Charging cradle for smartphones, wireless charging
Innovative HOLMER SmartDrive operating concept	12.1-inch touchscreen terminal HOLMER EasyTouch Ergonomic multifunction armrest including joystick and jog dial with quick access buttons, settings for all units can be operated and saved via soft keys Error memory function and diagnostic menu, including export via USB interface Armrest on the left side for unloading conveyor control and bunker emptying, including automatic function
Lighting	
Headlight	2 x LED low beam headlights 2 x LED high beam headlights
Work light	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, cleaning camera (zoomable), unloading conveyor camera, rear view camera, intelligent 360° camera - TopView
Central lubrication	
	BEKA-MAX, electronically controlled, underpressure and overpressure monitored (Terra Dos 5-30 with at least (depending on equipment) 141 lubrication points; Terra Dos 5-40 with at least (depending on equipment) 171 lubrication points) Interval lubrication and manual operation adjustable via terminal

Topper		
	Feeler-wheel-free topper, including automatic height control, height adjustment via joystick Quick excavation at the touch of a button on the joystick Explanations: HS I (I = integral topper), 6 to 12 rows HS KO (KO = switchable from leaf centrifuge to integral function), only 6 rows	
Scalper		
	HOLMER DynaCut – weight-optimized parallel scalper with automatic cutting thickness adjustment Head height of all knives can be adjusted centrally from the driver's seat Preload adjustable in 3 stages via spring on the unit	
Lifting unit		
	Individually adjustable rows Longitudinally adjustable forced feed Roller section with 7 cleaning and cleaning rollers, adjustable in parallel (height and length) 4 x short lifting and collection rollers Automatic reversing system on the rear harrow roller Adjustable speed of the rooting rollers (300-600 rpm) Automatic depth control via feeler wheels, adjustable advance Automatic side slope control via slope sensor Lateral mobility of all shark bodies of 70 mm EasyLift: automatic single-row depth control (standard) Versions: VHR 6, HR 6 to 12	
Cleaning		
Transfer web	Reversible 900 mm transfer web made of highly flexible endless material, pitches 50, 60, or 70 mm	
Turbine system	1st turbine with diameter 1,755 mm 2nd turbine with diameter 1,620 mm 3rd turbine with diameter 1,620 mm Adaptive cleaning PLUS with automatic speed monitoring and adjustment, depending on driving speed Wear-resistant single tines for screening stars, forged	
Grates	Partial segment grates or spring tines grates can be combined, also with quick-change frames All screen grates are height-adjustable with display on the terminal, centrally adjustable without steps	
Elevator		
	Width 1,000 mm; highly flexible double cam fabric belt with forged steel drivers Sliding rails in the elevator shaft	
Bunker		
	Approx. 30 m³ / 21 t	Approx. 45 m³ / 31 t
Filling	2-part bunker screw conveyor with freewheel clutch	
	Electronic level monitoring via 2 ultrasonic sensors Automatic bunker filling, manually switchable	

Slat conveyors	1 longitudinal and 1 transverse scraper floor, each with 4 high-strength tempered drive chains Centrally lubricated drive	2 longitudinal and 1 transverse scraper floor, each with 4 high-strength tempered drive chains Centrally lubricated drive
	Automatic hydraulic chain tensioning Hardox® scraper floor slats	
Loading	Automatic and manual switching possible; unloading belt speed adjustable	
	30 cubic meters in approx. 40 seconds	45 cubic meters in approx. 50 seconds
Discharge elevator	2 hydraulically folding articulated sections (XL discharge belt) Memory function for unloading height and position of last bent part, including contour mode Width: 1,800 mm	
Dimensions and weights		
Total length	12.94 m	15.00 m
Width	3.00 m (with row spacing of 45 cm; IF 1000/55 R 32) 3.30 m with row spacing of 50 cm or 45-50 cm	3.00 m (with row spacing of 45 cm; IF 1000/55 R 32) 3.30 m with row spacing of 50 cm or 45-50 cm
Height	4.00 m	4.00 m
Wheelbase	5.73 m	5.73 m / 2.12 m
Smallest turning circle (inside)	7.80 m	7.80 m
Weight	From 27 t	From 30 t

Special equipment on request



Subject to change with a view to technical progress; approved by TÜV and the professional association; complies with CE regulations.

Equipment depends on country-specific regulations.



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HOLMER



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