

HOLMER ▼

Terra Felis 3 evo

**YOUR STRONG
PARTNER IN THE FIELD**



THE BEST IN ITS CLASS

The Terra Felis 3 evo is the most advanced beet cleaning loader in the world. For more than 10 years, our innovative harvesting aid has been proving itself in international use and setting standards for gentle and efficient beet loading – as demonstrated by the pick-up developed and patented by HOLMER.

Whether the liftable cab, the largest cab or the fastest automatic folding mechanism, the Terra Felis 3 evo offers maximum comfort. The cleaning concept can be customized and offers solutions for all operating conditions. 9.72 m pickup width, 15.00 m transfer width and the intelligently arranged counterweight compensation complete the overall concept.

At HOLMER, we work with passion and appreciation to develop advanced solutions that will inspire you with the Terra Felis. Our machines are technologically advanced. Worldwide. For your success.

The Terra Felis 3 evo at a glance:

- ▶▶ 381 hp / 280 kW Mercedes Stage V engine – for the benefit of our environment
- ▶▶ New hydraulic drive concept – for more power with less fuel consumption
- ▶▶ Patented HOLMER VarioPick pickup – for greater flexibility during cleaning
- ▶▶ Four different after-cleaning options – for individual adjustment in line with local conditions
- ▶▶ Practical counterweight arm – for maximum stability and easy refueling
- ▶▶ 3.00 m external width – for safety on the road





"Terra Felis offers us the best and most environmentally friendly cleaning available on the market. We always get the best results at the sugar factory."

RAINER RÖCKL

LMG Laaberrübe GbR

HISTORY

Terra Felis has been proving itself in international use for more than 10 years. However, the beet cleaning and loading technology history from Eggmühl goes back even further:

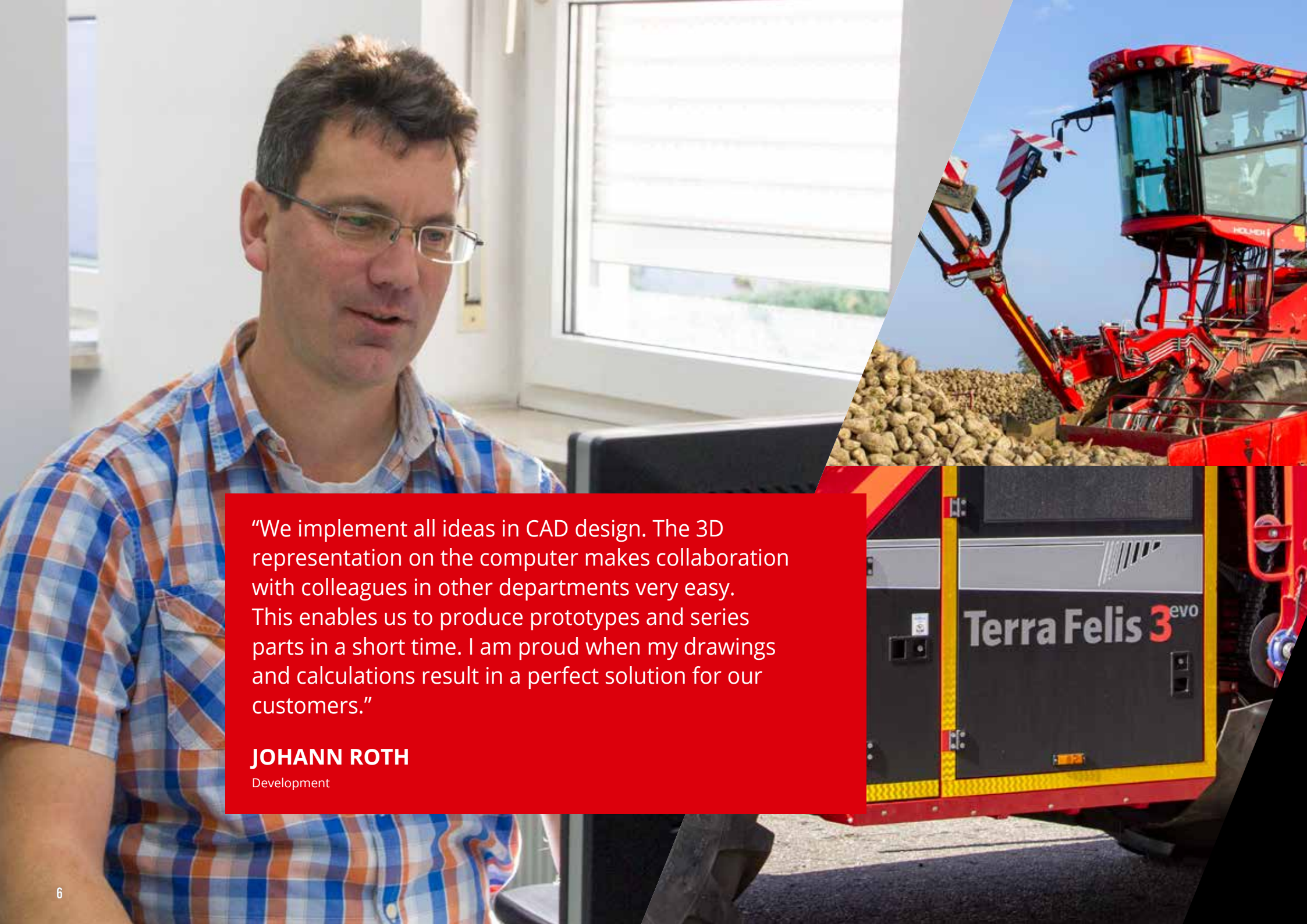
- ▶▶ HOLMER was already building towed beet cleaning loaders back in 1979. 51 of these so-called cleaning belts had already been sold in 1988.
- ▶▶ In 1982, Erich Fischer from Eggmühl patented the first self-propelled beet cleaning loader – the so-called Fischer Mouse, which is where the machines get their nickname to this day.
- ▶▶ HOLMER developed its first self-propelled beet cleaning loader in 1993 – at that time already equipped with a 260 hp Mercedes engine, an 8-meter intake, a 12-meter transfer arm and a hydraulically elevating cab.
- ▶▶ In 2007, HOLMER built the first Terra Felis prototype to apply its expertise in handling sugar beets to the transshipment process as well.
- ▶▶ In 2008, HOLMER revolutionized beet loading: For the first time, the cleaning path could be flexibly adjusted on the newly developed and patented pick-up.

The Terra Felis 3 evo is the logical progression of all this experience. It is quality made in Germany. HOLMER develops and builds its vehicles in Eggmühl, Bavaria, and has 50 years of experience as a machine manufacturer and partner to the agricultural industry.

Customer service, spare parts delivery, sales – at HOLMER, you get everything from a single source.







"We implement all ideas in CAD design. The 3D representation on the computer makes collaboration with colleagues in other departments very easy. This enables us to produce prototypes and series parts in a short time. I am proud when my drawings and calculations result in a perfect solution for our customers."

JOHANN ROTH

Development



BY PROFESSIONALS FOR PROFESSIONALS

Experience makes a difference – and in this field, no one can show us how its done. Thanks to our close and long-standing relationship with you, we know exactly what matters.

We have incorporated this knowledge in the development of the Terra Felis 3 evo. Our goal was to protect the sugar beets as much as possible while ensuring maximum safety during loading and transport. Our developers have applied all their expertise to this task: the patented HOLMER pick-up has been consistently refined with VarioPick and reloading has been revolutionized by the improved visibility from the liftable cab. 3.00 m external width guarantees maximum safety when driving on public roads.

The Terra Felis is thus not just a machine – it is the concept for gentle, safe and economical beet loading. No matter what the weather, no matter what the surface. Made for professionals.



The Terra Felis 3 evo developed in Eggmühl (Bavaria, Germany):

- ▶▶ Sustainable overall concept – for your success
- ▶▶ Patented HOLMER VarioPick pickup – for flexible cleaning and reduced consumption
- ▶▶ Intelligent solutions through driver assistance systems – for optimum driver support and maximum safety

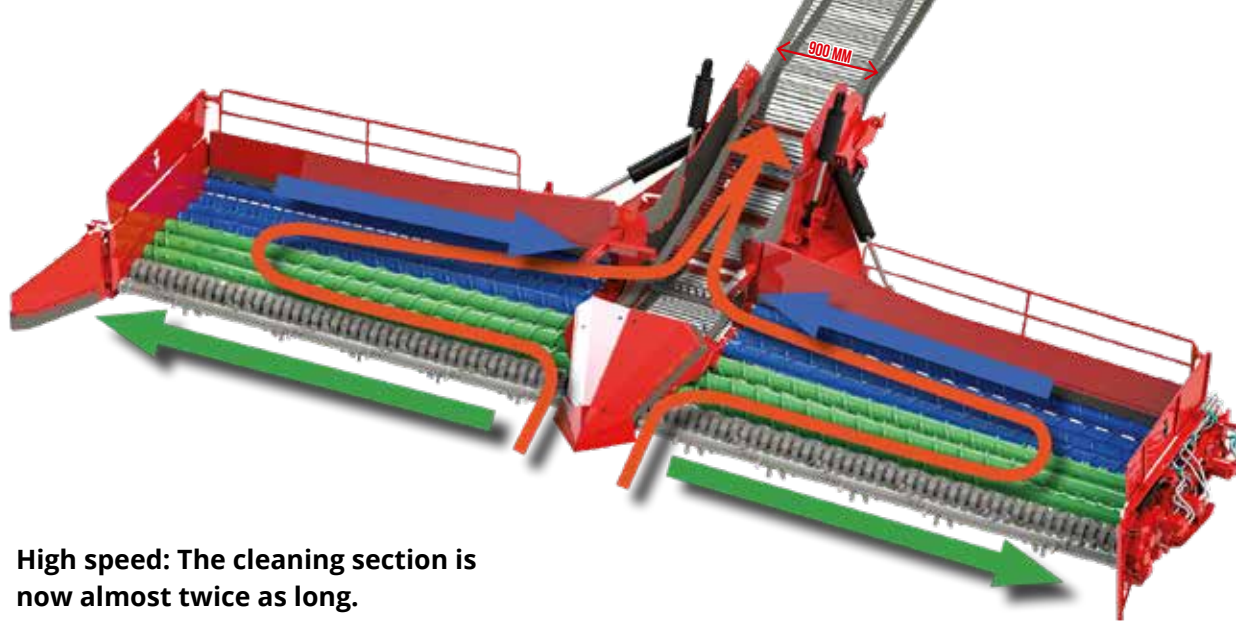
PICK-UP

Different conditions, different settings: Thanks to the patented HOLMER pick-up, the cleaning path and thus the cleaning intensity can be individually adjusted at the touch of a button. To that end, the speeds of the finger or transfer rollers, distribution and collection rollers can be adjusted continuously.

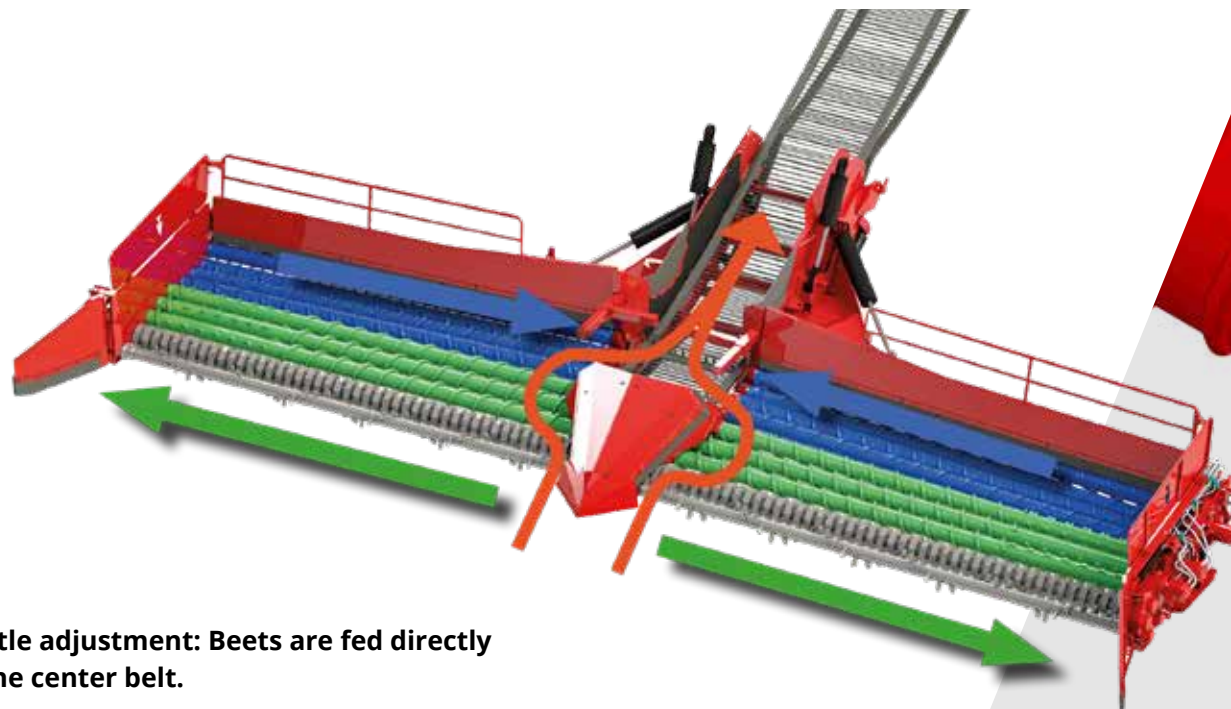
Higher speeds on the distribution rollers first convey the beets outwards on the cleaning table. This almost doubles the cleaning route compared to the gentle setting.

Cleaning without compromise, because only the beet counts:

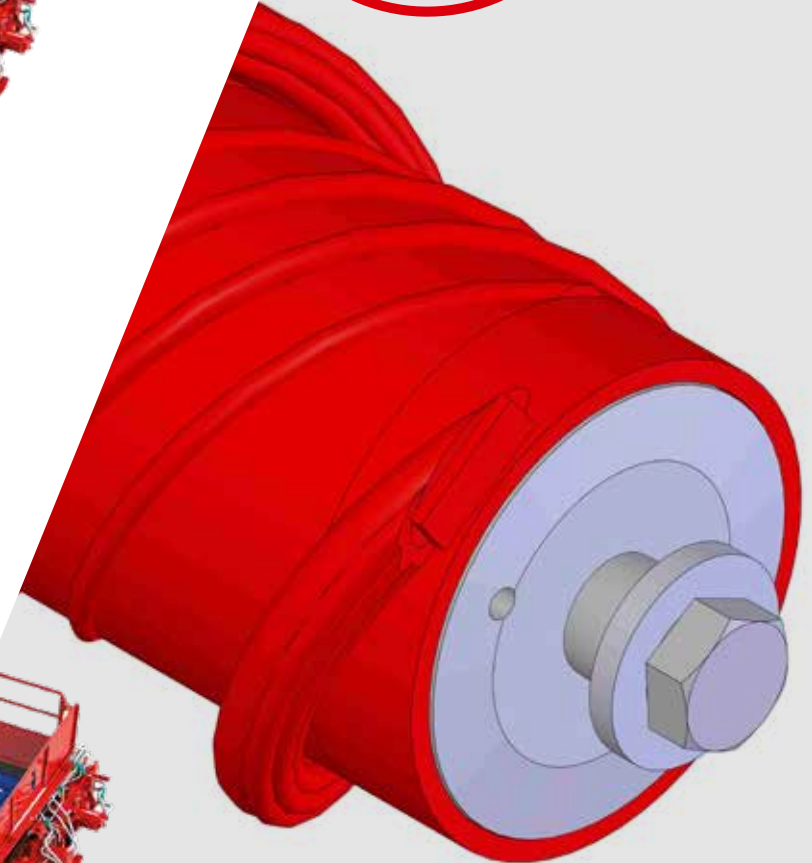
- ▶▶ A total of 18 low-wear rollers with automatic reversal – for perfect cleaning
- ▶▶ All cleaning rollers are tempered with up to 4 layers of hard welding as standard, and the coils of the collecting rollers have up to 3 layers of special reinforcement – for minimal wear and maximum durability
- ▶▶ Proven variable cleaning section with 3 independently adjustable roller types (finger and transfer rollers, distribution rollers and collection rollers) – for uncompromising beet protection with maximum loading capacity
- ▶▶ Large roller diameter of 140 mm and 20 mm coil diameter; 17 spiral coils per roller – for reduced wear without sticking
- ▶▶ Collecting roller tube with consistent diameter and integrated bearings; carbide plate at the end of the coils – for reduced resistance to beet flow during transfer to the in-feed conveyor, reduced breakage loss, and maximum wear-and-tear protection
- ▶▶ 9.72 m pickup width (inside) – for flexibility on all bales
- ▶▶ Low speed with high charging capacity – for lower fuel consumption
- ▶▶ Continuously adjustable speed monitoring of the drives, including automatic and manual reversing of all rollers – for jam-free operation
- ▶▶ Center tip with replaceable tip and two-piece hood – for easy maintenance
- ▶▶ Automatic residual beet pick-up including offset function and pendulum compensation on the pile clearer – for easy and convenient residual beet pick-up.
- ▶▶ Optional water spray system with up to 1,200 l (continuous operation, interval, hydraulic pressure control, separate spray and pause time settings, left/right switching, filter) – for reliable loading and uncompromising cleaning



High speed: The cleaning section is now almost twice as long.

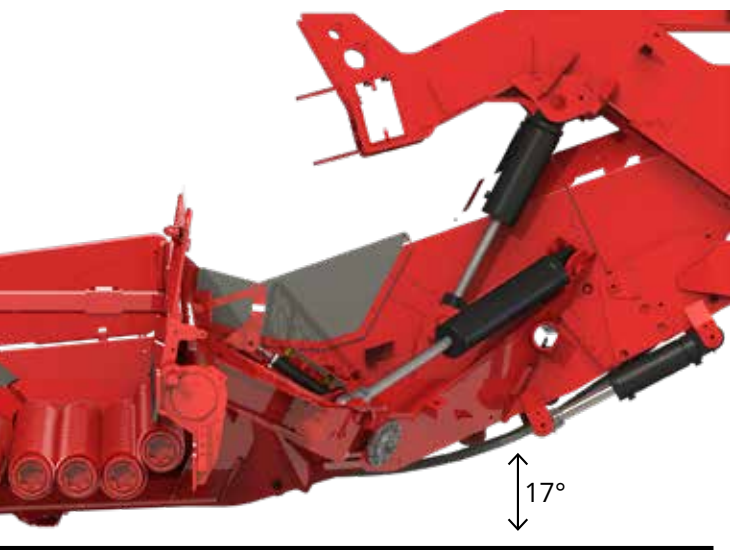
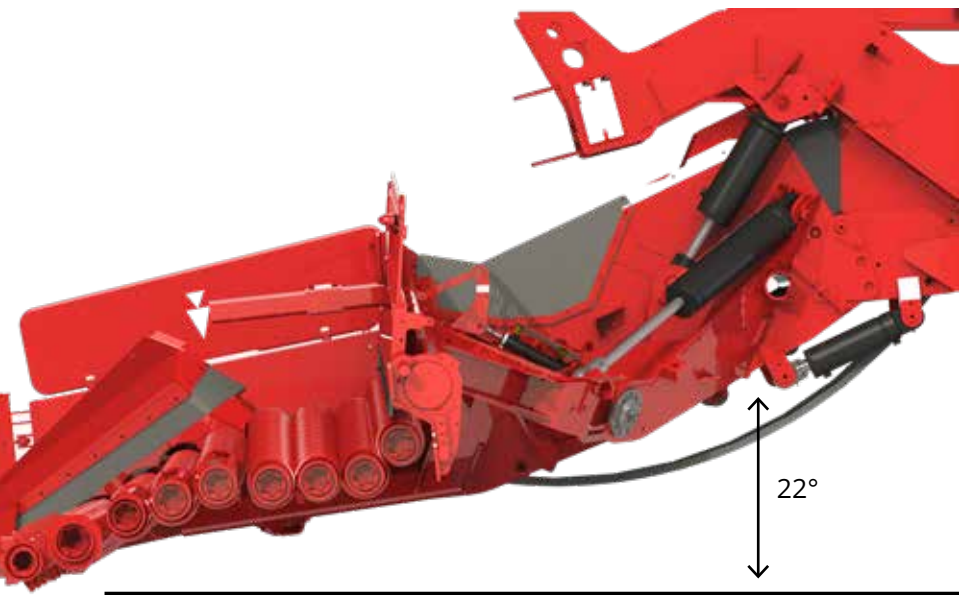


Gentle adjustment: Beets are fed directly to the center belt.



UNIQUE EXPANSION





VarioPick

Only the original cleans beets properly.

The unique extension for the best pick-up ever: With the HOLMER VarioPick, not only the cleaning performance but also the set angle can be individually adjusted. In the case of little dirt, a low set angle ensures minimal fuel consumption thanks to optimum ease of movement; in the case of more dirt, a higher set angle provides additional space for cleared soil and weeds. This ensures that the pick-up never floats.

Perfect cleaning in every situation with the HOLMER VarioPick:

- ▶▶ Individually adjustable set angle – for fuel savings and optimal cleaning
- ▶▶ Adjustment of the intake angle from 17° to 22° – for additional space for cleaned soil and weeds to consistently prevent the intake from floating
- ▶▶ Intensive cleaning setting – for more than twice as much weed removal at the intake
- ▶▶ Variable intensity of VarioPick and post-cleaner – for up to 92% more weed removal overall

CLEANING ROUTE

The sugar beets pass through various cleaning stations at Terra Felis: first in the HOLMER VarioPick, then through one of the four available post-cleaning options.

The two stations are connected by a 900 mm wide in-feed conveyor, which guarantees powerful and gentle transport of the beets from the intake to the post-cleaning stage thanks to the largest passage on the market. A sophisticated cascade system ensures that the beets are gently transported from one cleaning component to the next.

We know what beets need:

- ▶▶ 900 mm wide in-feed conveyor – for unmatched powerful and gentle beet transport
- ▶▶ Resilient, soft PU carriers including dirt flaps on the in-feed conveyor – for high throughput and optimum beet protection
- ▶▶ Higher throughput at lower belt speed – for less wear-and-tear and fewer breakage losses
- ▶▶ Screen belt to cushion the drop from the in-feed conveyor – for up to 30 % fewer broken beets
- ▶▶ Cleaning path flexibly adjustable from 24.40 m to 32.50 m at most – for adaptation to cleaning requirements
- ▶▶ Automatic shut-off strategies for reversing the intake and post-cleaner – for clog-free operation and damage prevention





POST-CLEANING

Different floors, different cleaning methods: Always clean perfectly with the unique, coordinated HOLMER cleaning system consisting of VarioPick, in-feed conveyor, and post-cleaning variants, which are connected to each other via a spring-loaded component.

HOLMER exclusively offers four different after-cleaners that are easily interchangeable. This guarantees the perfect combination of cleaning and beet protection for any type of soil.

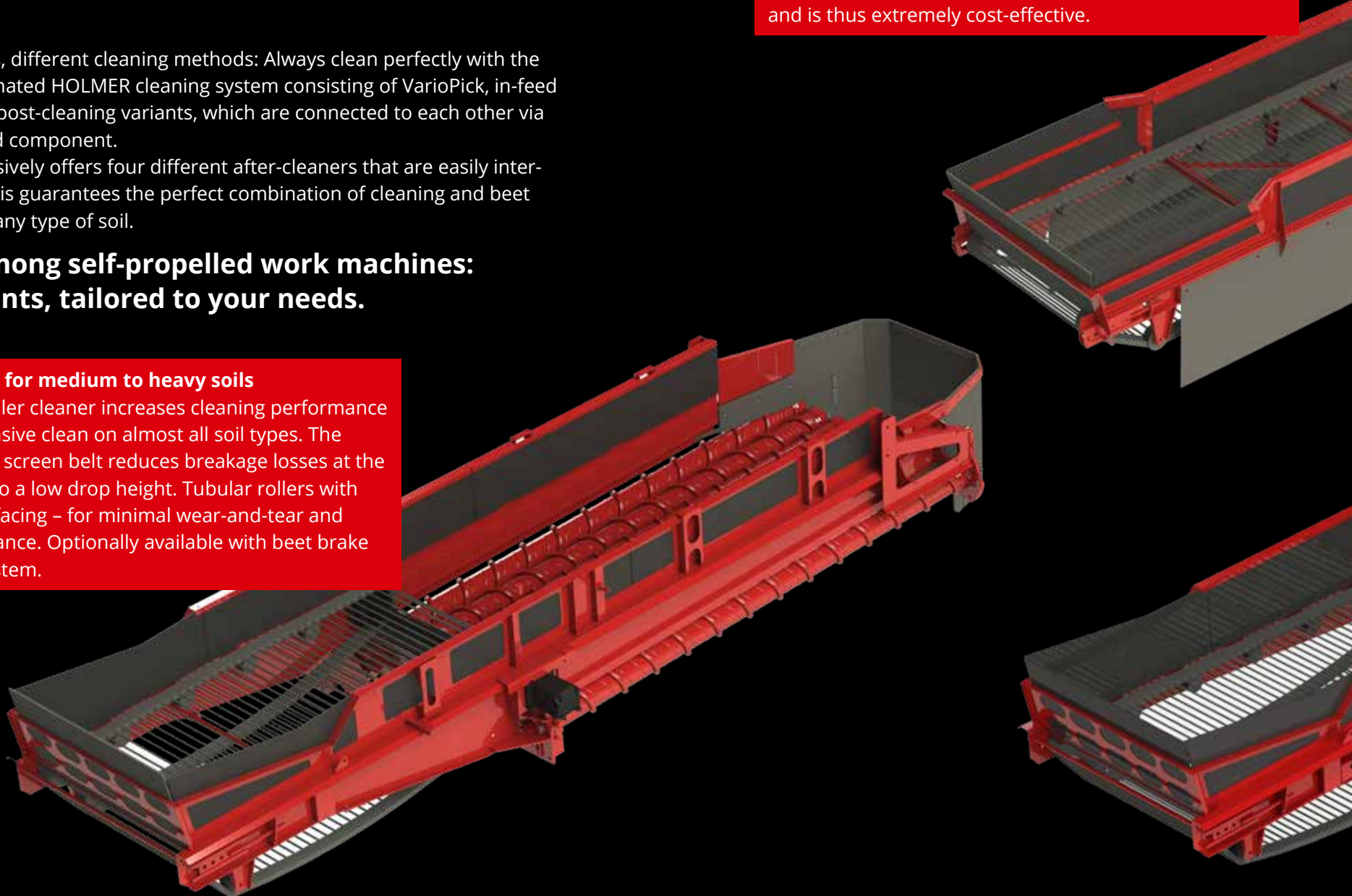
**Unique among self-propelled work machines:
Four variants, tailored to your needs.**

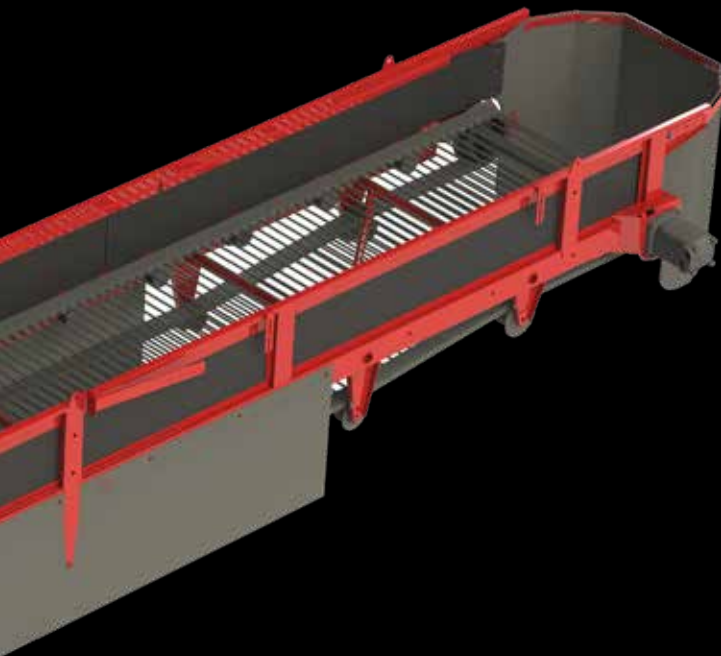
HOLMER Cleaner – for medium to heavy soils

The gentle pinch roller cleaner increases cleaning performance – providing an intensive clean on almost all soil types. The interaction with the screen belt reduces breakage losses at the transfer point due to a low drop height. Tubular rollers with up to 4-seam hard facing – for minimal wear-and-tear and maximum performance. Optionally available with beet brake and water spray system.

HOLMER screen belt cleaner – for light soils

The beets are transported with the utmost care. The lightly adhering soil falls off the 900 mm wide transfer web downward. Cleaning causes minimal wear-and-tear and is thus extremely cost-effective.





VarioCleaner – for changing conditions

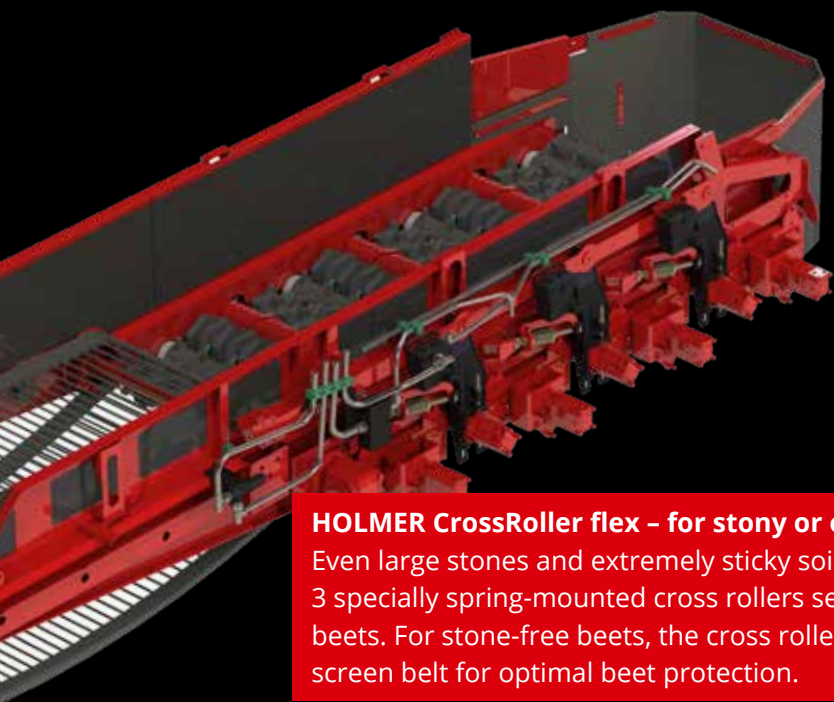
Beets can be cleaned gently or intensively, according to your needs – reducing fracture loss.

With low dirt ingress, the pinch rollers can be partially covered with a transfer web in a continuously variable manner. The HOLMER Vario-Cleaner is the intelligent all-in-one solution for various requirements, from heavy to light soils to high weed infestation.

The screen belt can be adjusted continuously during loading operation, allowing the cleaning intensity to be adjusted – for flexible settings during loading.

When set to intensive, an average of 15% higher weed removal compared to the gentle setting.

Optional with beet brake and water spray system.



HOLMER CrossRoller flex – for stony or extremely heavy soils

Even large stones and extremely sticky soil are removed effortlessly: 3 specially spring-mounted cross rollers separate the stones from the beets. For stone-free beets, the cross rollers can be covered with a screen belt for optimal beet protection.



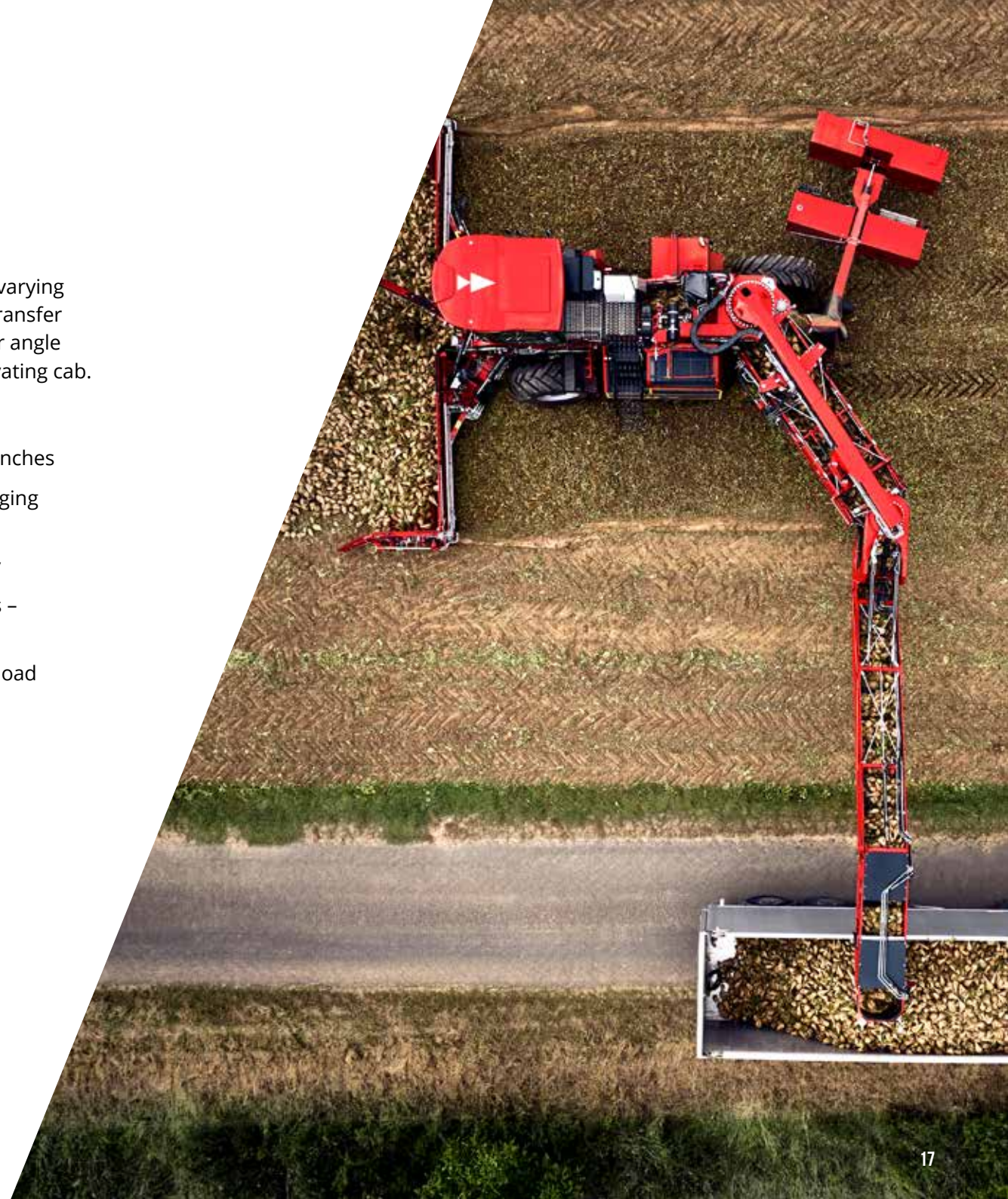


TRANSFER LOADING

Hard-to-reach loading points, long distances to bridge, widely varying loading heights: with a transfer width of up to 15.00 m and a transfer height of over 6 m, two hydraulic slewing rings cover a transfer angle of 332°. The driver always has everything in view from the elevating cab.

Because we want to know what's inside:

- ▶▶ Transfer arm with 15.00 m transfer width – for bridging trenches
- ▶▶ Transfer arm with more than 6 m transfer height – for bridging embankments
- ▶▶ Transfer arm can be rotated 332° – for maximum flexibility
- ▶▶ Lightweight construction with high-strength PE wear plates – for wear-and-tear and cost reduction
- ▶▶ Lifiable cab – for visibility into the truck and control of the load
- ▶▶ Optional: Belt scale integrated into the terminal (load cells, speed sensor, angle sensor, weighing computer) – for the most accurate beet quantities
- ▶▶ Optimally positioned weighing rollers on the straight bend section – for precise weighing





“Whether pick-up or various cleaning options, the Terra Felis is a highly complex machine. The best thing is when our joint ideas come together in prototype construction to form a perfect solution.”

ANDREAS ERL

Development



PLEASE FOLD HERE.

AUTOMATIC FOLDING

The automatic folding of the Terra Felis can be activated at the push of a button, enabling fast folding and unfolding of individual components. The components are automatically controlled in a coordinated safety sequence, allowing the Terra Felis to transition from road travel mode to transfer loading mode in the shortest time.

The quick folding mechanism guarantees easy unfolding and folding and short setup times.

**Are you already loading or are you still folding?
These components are part of the Terra Felis
automatic folding:**

- ▶▶ Rental clearance (work position/road position)
- ▶▶ Pick-up wing (extend/retract)
- ▶▶ Pick-up sides (fold out/fold in)
- ▶▶ Pick-up grinding skids (extend/retract)
- ▶▶ Cab (raise and reset/move forward and lower)
- ▶▶ Transfer arm (extend/retract)
- ▶▶ Counterweight arm (swing out/swing in)
- ▶▶ Tank (fold out/fold in)







PLEASE FOLD HERE.

CHASSIS

The Terra Felis 3 evo offers a comfortable, safe ride with excellent balance. From the suspension of the receiver and the center distance to the slope support system and foldable tank, HOLMER offers a complete solution for field and road.

When loading, the folding tank acts as a counterweight – up to 2,870 kg when fully fueled guarantees maximum stability, even with a large load width. The center of gravity of the folding tank is shifted by up to 19 %. The counterweight arm provides the necessary stability even when loading downhill.

We want to implement quickly and stand securely:

- ▶▶ Up to 40 km/h on the road – for the fastest possible relocation
- ▶▶ Slope support system – for a secure footing
- ▶▶ Suspension system – for safe road travel
- ▶▶ Ideal weight distribution thanks to perfect arrangement of components – for optimum traction across all four wheels
- ▶▶ Two braked drive axles – for maximum safety
- ▶▶ Suspension comfort chassis with 3rd and 4th axle for road travel – for your safety on the road
- ▶▶ Fully automatic folding tank for weight shifting – for optimum stability even with a large loading width
- ▶▶ Easily accessible tank – for quick refueling even when the vehicle is in the working position
- ▶▶ 3.00 m outer width – for safe driving on the road



ENGINE AND HYDRAULICS

Optimal performance with minimal fuel consumption: The powerful Mercedes engine ensures economical diesel consumption thanks to reduced engine speed at a maximum loading capacity of up to 560 tons per hour. Sufficient power reserves are available for higher power requirements, e.g., with a steeper set angle of the HOLMER VarioPick for extreme contamination.

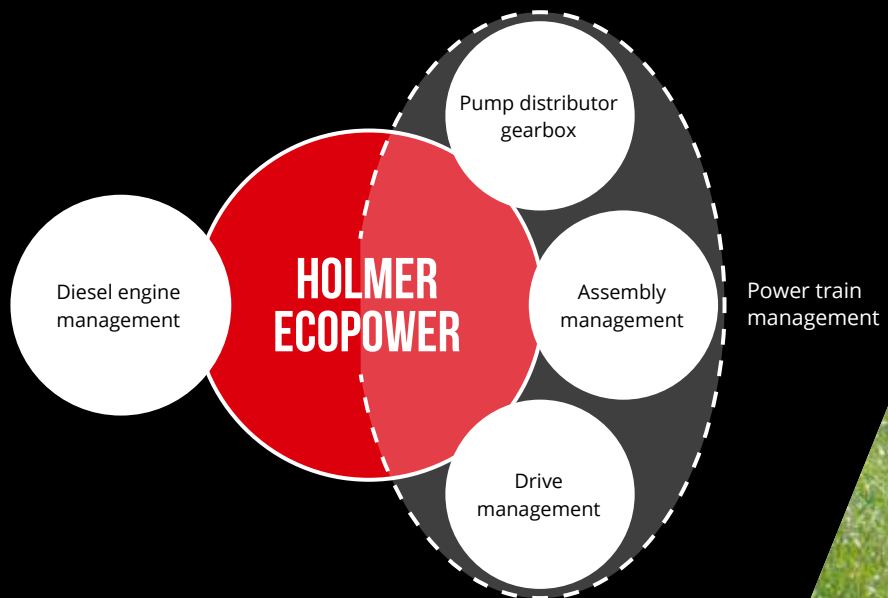
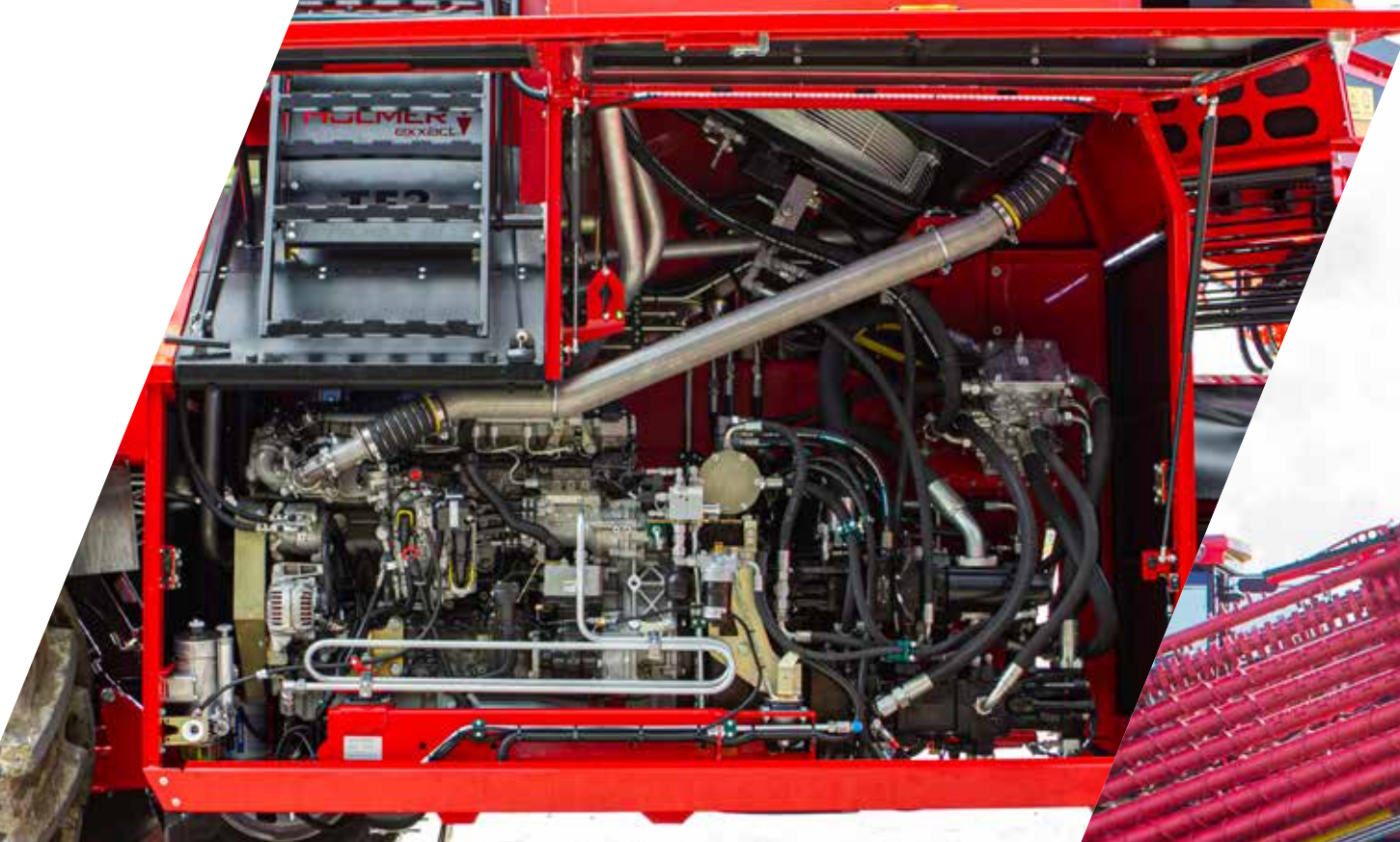
The Terra Felis 3 evo complies with Stage V emissions standards. AdBlue ensures that nitrogen oxides produced during the combustion process are converted into pure nitrogen and water during exhaust aftertreatment – for the benefit of our environment.

The high-quality hydraulic components of the Terra Felis 3 evo guarantee operational reliability. This guarantees a reduction in operating costs thanks to low-wear components. Disconnecting the working hydraulics when driving on the road also reduces fuel consumption.

Sufficient power reserves for optimal cleaning results:

- ▶▶ 381 hp/280 kW Mercedes engine with twin turbo – for maximum performance
- ▶▶ Stage V emissions standard with SCR technology (AdBlue) and diesel particulate filter – for the benefit of our environment
- ▶▶ Cold start capability down to -30°C – for use in extreme conditions
- ▶▶ Charging operation in the engine's optimum range at only 1,150 rpm – for efficient power transmission
- ▶▶ Automotive driving – for speed reduction when driving on the road

- ▶▶ Hydrostatic drive from Linde with ROEGELBERG 3-speed transfer case – for optimum forward motion at all times
- ▶▶ Optional 40 km/h road travel at 1,400 rpm – for fast relocation
- ▶▶ HOLMER EcoPower – for optimum performance with minimum fuel consumption
- ▶▶ Powerful load-sensing working hydraulics with up to 162 l/min – for simultaneous cylinder functions
- ▶▶ 4 closed hydraulic circuits with high power reserves – for fast loading
- ▶▶ Optimized accessibility of individual components – for maximum serviceability
- ▶▶ Hydraulically driven and automatically reversing fan – for cleaning the cooling system
- ▶▶ Hydraulic tank integrated in the engine compartment, which is kept warm for a long time by the residual heat of the engine – for optimum oil viscosity, including in very cold operating conditions.



LIGHTING

The lighting concept at Terra Felis turns night into day. This guarantees optimum visibility even during nighttime operations. The machine's working area is illuminated by 24 LED spotlights up to 100%. This guarantees maximum safety when picking up and transferring the beets – especially at night.

More light, more safety:

- ▶▶ Perfect illumination of work areas – for your safety
- ▶▶ A total of 24 LED work lights – for optimum illumination in the field
- ▶▶ Standard 14 x 2,500 lm and 10 x 1,800 lm powerful headlights – for relaxed night shifts
- ▶▶ Soft light – easy on the eyes
- ▶▶ LED low beam and high beam headlights – for relaxed driving on the road
- ▶▶ Follow me home function of the work lights – for a safe descent



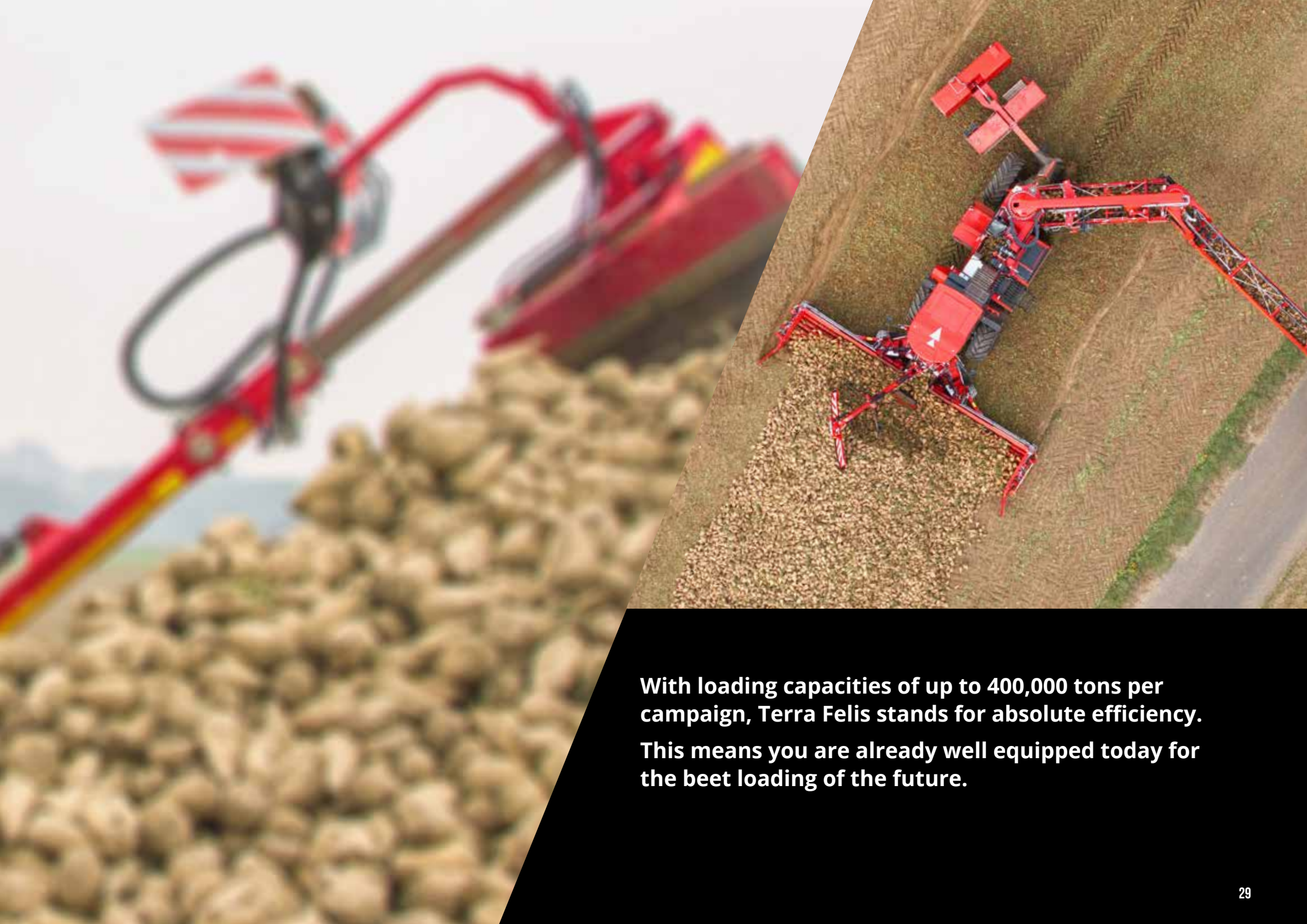




"I'm always relaxed when working on the Terra Felis. I can easily adapt the machine to all conditions. The VarioPick pick-up cleans perfectly, even when there are more weeds in the stack, and does not float."

CHRISTIAN ROGL

Maschinenring St. Marien and environs, Austria



With loading capacities of up to 400,000 tons per campaign, Terra Felis stands for absolute efficiency. This means you are already well equipped today for the beet loading of the future.

CABIN

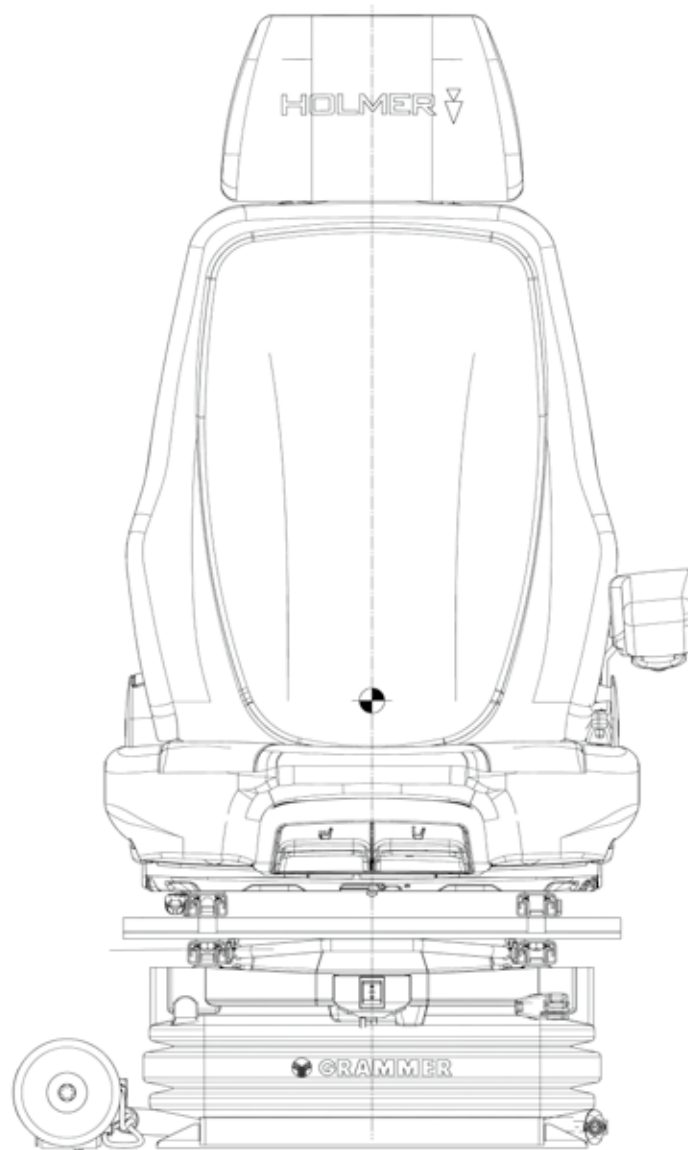
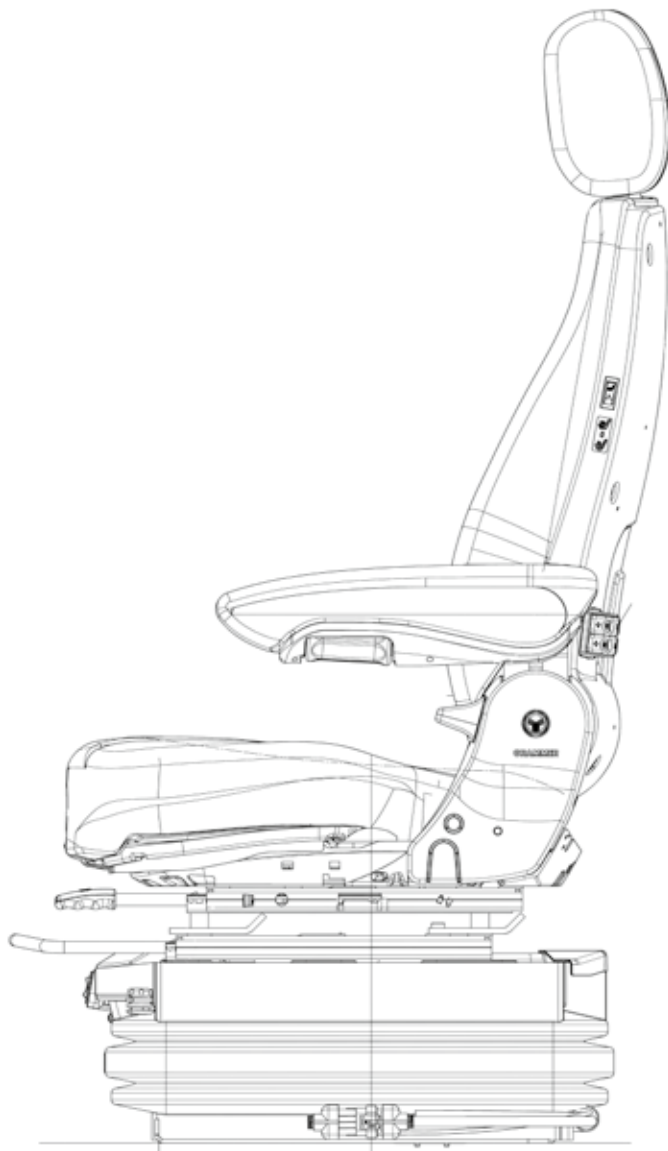
The largest cab on the market with a floor-to-ceiling, curved windshield combines optimum safety and working comfort. To give the driver perfect visibility, the cab can be raised hydraulically to 5.10 meters. The cabin moves beyond the highest point of the lifting device to the rear, guaranteeing an unobstructed view of the load, lap belt, and transport vehicle. The workplace with heat-insulating glass offers the best all-round visibility around the clock – for relaxed working.

After all, the driver is our most important person:

- ▶▶ Cab can be raised hydraulically to 5.10 meters and lowered by 1.24 meters – for a perfect view of pick-up and transport vehicles
- ▶▶ Auxiliary heating and standard automatic climate control – for an optimal working environment
- ▶▶ Driver-oriented controls – for ergonomic working without fatigue
- ▶▶ Electrically adjustable, heated exterior mirrors – for the perfect viewing angle
- ▶▶ Optimal noise insulation with only 68 dB – for relaxed working
- ▶▶ Radio with hands-free function – for the best connection
- ▶▶ Spacious refrigerator compartment – for optimal storage
- ▶▶ Numerous storage compartments – for an organized office







GRAMMER SWIVEL SEAT

For continuous use, the swivel seat from GRAMMER, specially manufactured for HOLMER, ensures additional driving comfort. It automatically adjusts to the driver's weight, provides cushioning and ensures a comfortable atmosphere thanks to active seat ventilation. A position sensor and an acceleration transducer record the position and the applied acceleration in the Z-direction 250 times per second. The spring characteristic curve is selected individually at all times.

Combined with a pneumatic lumbar support and active shock absorption, this enables the driver to remain relaxed and highly focused on their work. The HOLMER panoramic cabin offers maximum driving comfort for the most demanding requirements.

Our experience for your health:

- ▶ Built especially for HOLMER – because you are the focus of our developments
- ▶ Active seat ventilation – for comfortable seating without sweating
- ▶ Electro-pneumatically controlled air suspension with vertical vibration reduction – for active shock reduction
- ▶ maximum acceleration is reduced by up to 75 % – for your health
- ▶ Pneumatically individually lockable swivel seat – so you always face the direction you're working in



HOLMER SMARTDRIVE

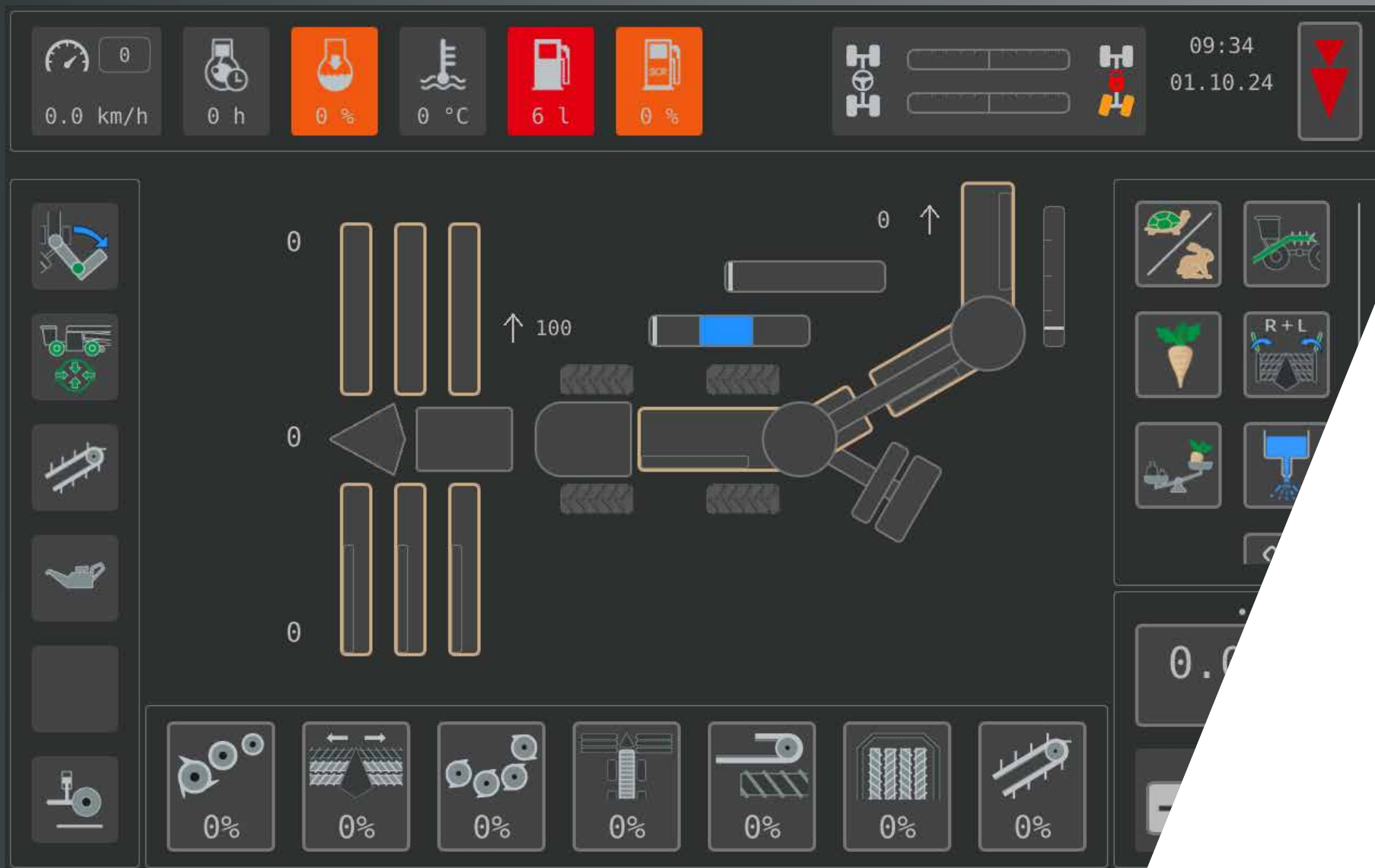
HOLMER SmartDrive is the intuitive operating concept for the Terra Felis. The combination of touch terminal and joysticks ensures that every desired function can be accessed quickly and easily. Freely programmable buttons and quick access ensure relaxed working conditions – because the driver is our most important person.

With HOLMER SmartDrive, the Terra Felis cab becomes the hub of the entire pick-up chain: the driver has all data and processes at a glance and can flexibly and conveniently adjust the settings to the conditions on site.

Focus on the driver:

- ▶▶ Intuitive operation – for easy and safe working
- ▶▶ HOLMER EasyTouch 12.1 inch touch terminal – all the information at a glance
- ▶▶ 2 proportional comfort joysticks – for ergonomic working
- ▶▶ Video-monitored depth control and post-cleaning; wide-angle camera on the loader and rear view camera with 4 cameras as standard – for safe machine monitoring
- ▶▶ Fastest automatic folding and unfolding mechanism – for minimal setup times and flexible loading on the right and left
- ▶▶ Soft keys – for quick changes to settings during charging
- ▶▶ 3 individual cleaning settings can be saved – for maximum driver convenience
- ▶▶ All control units are oriented toward the driver – because the driver and machine are a single unit
- ▶▶ Vehicle diagnostics including error memory readable via USB stick – for rapid assistance





DRIVER ASSISTANCE SYSTEMS

The driver is the most important person. We are constantly working on technical solutions to relieve and support him as much as possible – so that he can concentrate fully on his actual task: loading excellently cleaned beets. Driver assistance systems also enable the documentation of the quantities of beets loaded, thus ensuring an efficient logistics chain.

The future of work made easier today:

▶▶ Quick selection of cleaning intensity

The Terra Felis 3 has three preset selection buttons for easier and faster adjustment of cleaning intensities. There are modes for low dirt content, normal dirt, and heavily soiled beets. The driver can still fine-tune all speeds of the individual cleaning units individually and save the values. Reaction times to rapidly changing conditions during loading are reduced.

▶▶ TopView (optional)

HOLMER TopView uses images from 6 cameras to create a 270° panoramic view of the Terra Felis. This gives the driver maximum visibility of the machine's surroundings. When maneuvering and reversing, blind spots in the rear area are completely eliminated in this way – for maximum safety.



OPTION: EASY HELP 4.0

HOLMER is developing the EasyHelp 4.0 telematics solution in collaboration with Bosch Rexroth.

In addition to a further improved and expanded service solution for remote diagnosis and maintenance for HOLMER Service, EasyHelp 4.0 is also connected to the well-known farm management system agrirouter. This allows order data to be conveniently and quickly transferred online from the computer to the driver's cab. At the same time, Terra Felis 3 evo reports current machine and order data back to the dispatcher.

The Internet of Things today:

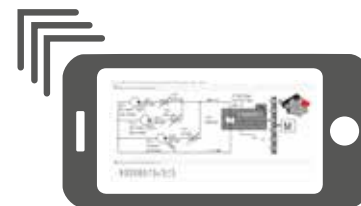
- ▶▶ Complete transparency of machine data – for easy resource planning
- ▶▶ Online transmission of order data directly to the Terra Felis 3 evo – for efficient and convenient machine use
- ▶▶ In the event of a malfunction, immediate evaluation of parameters by the HOLMER service team – for easy problem identification, the fastest service, and perfect spare parts supply
- ▶▶ Connection to the agrirouter data exchange platform – for a cross-manufacturer solution and independence in choosing the farm management system

EasyHelp
4.0

The logo for EasyHelp 4.0 features the text 'EasyHelp' in a black sans-serif font, with '4.0' in a red sans-serif font below it. To the right of the text is a red graphic consisting of three concentric, semi-circular arcs.



 agrirouter




FARMPILOT

rexroth
A Bosch Company



OPTIONS FOR LARGE PILES

It is not possible everywhere to set stacks in such a way that they are immediately suitable for transferring with the Terra Felis. Terra Felis offers two ideal solutions for these large harrows – for perfectly cleaned beets in every situation.

With the RRL 200 eco pull-type transfer belt, HOLMER also offers another cost-effective alternative for transfer operations.



BUNKER PICK-UP

The Terra Felis 3 evo can be optionally equipped with a bunker pick-up. The bunker is loaded by an excavator or wheel loader. This allows the beets to be deposited in a larger stack or even on paved surfaces.

Perfect cleaning, minimal space requirements:

- ▶▶ 15 m³ bunker with hydraulically foldable side walls – for maximum flexibility
- ▶▶ 9 cleaning and conveyor rollers, 2 x 2 conveyor rollers plus screw scraper under the bunker – for optimal cleaning
- ▶▶ Continuous speed adjustment on the scraper floor – for optimal loading times

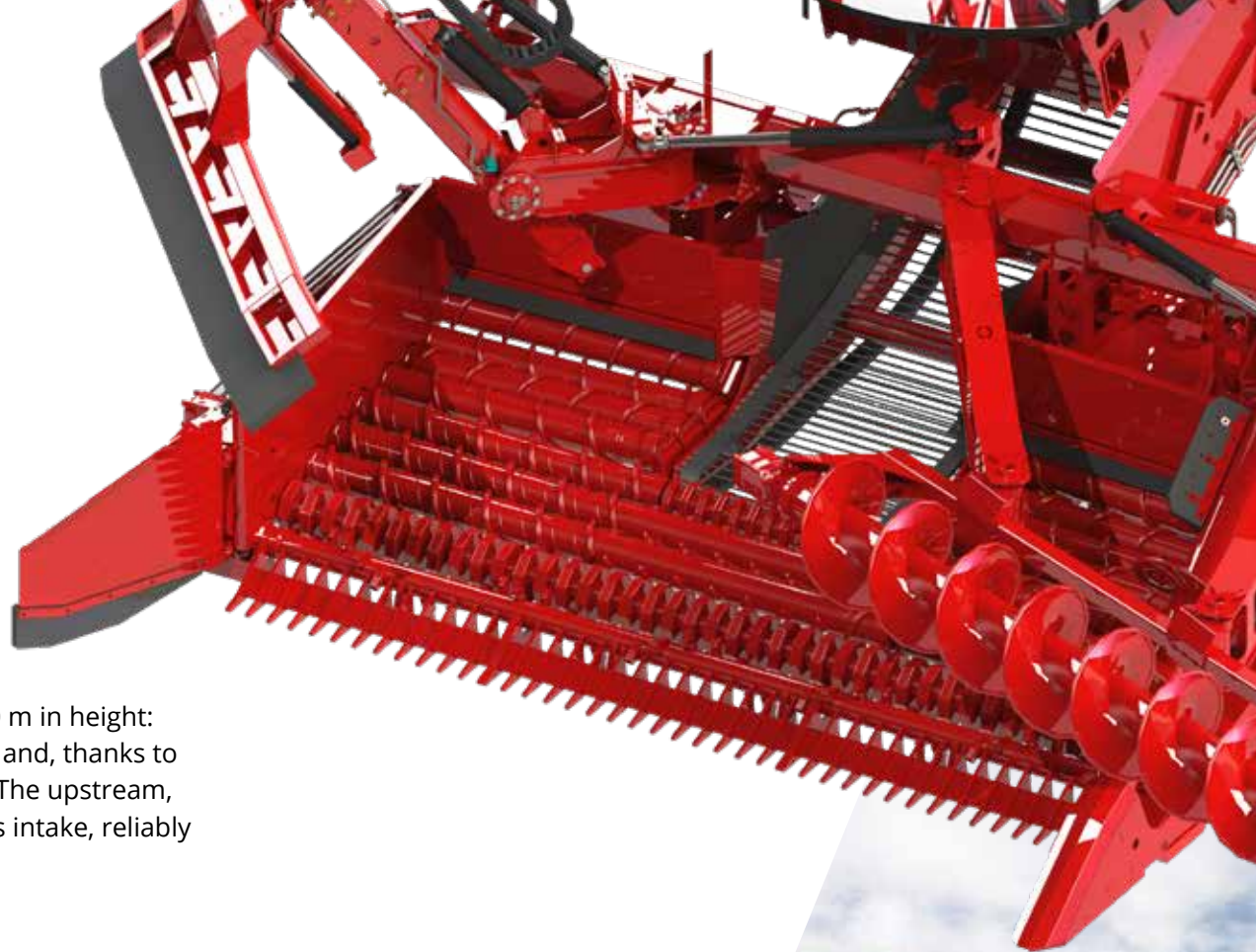


PILE DIVIDER

Pick up, clean, and load ducklings of any width up to approx. 10 m in height: HOLMER's patented duckling divider offers maximum flexibility and, thanks to the one-man operation, ensures economical use of personnel. The upstream, horizontally arranged screw conveys the beets to the Terra Felis intake, reliably removing even the largest stacks.

Simply divide large piles:

- ▶▶ Various equipment options for fields, meadows, gravel, or tarred surfaces – for optimal adaptation
- ▶▶ Finger roller and transfer roller, 2 long collection rollers, 1 combination collection roller with transfer function, 8 short pinch rollers, carbide coating as standard – for powerful beet loading and low wear
- ▶▶ Hydraulic clearing and feed screw – for a continuous flow of beets
- ▶▶ Folds down to 4.50 m – for maximum maneuverability
- ▶▶ Can be stored on transport trailers – for road travel in Germany



THE ALTERNATIVE: RRL 200 ECO

The RRL 200 eco trailed beet cleaning loader is a simple and cost-effective solution for cleaning and transferring sugar beets. The RRL 200 eco is always used when loading is a logistical challenge: whether in very small storage areas, with very wide piles, or at confusing transfer points.

The RRL 200 eco is so compact that it can be used in even the smallest of spaces. Wheel loaders, excavators, or tractors fill the 9 m³ bunker, ensuring that the towing vehicle is used to its full capacity. Operated by remote control, which guarantees the best possible safety for the driver. With a transfer width of up to 9.50 m, a transfer height of up to 5.50 m, and a transfer arm that can be swiveled up to 125°, the RRL is extremely flexible in use and can bridge even larger distances, ditches or embankments.



Simple. Low-priced. Sugar beet loading:

- ▶▶ 9 m³ bunker with hydraulically foldable side walls – for maximum flexibility
- ▶▶ Nub cleaning with stone separation roller including automatic reversal – for perfect cleaning results
- ▶▶ 75 hp/101 kW Perkins engine – for optimally adapted performance
- ▶▶ Teleradio remote control – for location-independent operation and greater security
- ▶▶ Towing eye – for use with existing loading vehicles
- ▶▶ Road transport at 40 km/h – for quick changes of location

HOLMER SERVICE

Customer-oriented, reliable, competent, fast—the impressive performance of the Terra Felis is consistently complemented by needs-based service. From individual service checks to a 24-hour hotline: We are always there for you.

- ▶▶ 28 service partners in German-speaking countries and HOLMER's own service technicians – on site for you for the fastest service
- ▶▶ 24-hour service hotline – always there for you
- ▶▶ New logistics center covering 9,000 m² – for perfect spare parts supplies
- ▶▶ 24-Hour spare parts shipping during the period of use – so that you can work securely
- ▶▶ The entire range of spare parts can be conveniently ordered from the online shop – which you can access at any time
- ▶▶ Comprehensive training program – so you are ideally prepared
- ▶▶ ServiceCheck – customized service offerings for optimal operational reliability





USED MACHINES

Thanks to its outstanding "Made in Germany" build quality and the use of high-quality components, the Terra Felis retains its value for many years. The demand for used machines is correspondingly high.

High value stability and low running costs ensure success for entrepreneurs and communities.

Are you also looking for a HOLMER hero?

Then get in touch with us!

Technical specifications	
Engine	Mercedes Benz OM 936 LA Stage V including AdBlue, SCR catalytic converter, and DPF
Cylinder	R-6, twin turbo
Displacement	7.7 l
Rated speed	1,800 rpm
Rated power at 1,600 rpm	280 kW/381 hp
Maximum torque from 1,050 rpm to 1,300 rpm	1,550 lb-ft
	Automatic hydraulic fan reversal
Fuel tank capacity	Approx. 1,400 l
AdBlue tank capacity	Approx. 95 l
Traction drive	
Hydrostatic drive	LINDE ROEGELBERG 3-speed transfer case Crawl gear can be engaged separately
Driving speeds	Crawl speed 0 m/min to 1.5 m/min, infinitely variable, including torque-dependent Load feed control 1st gear: 0 to 16 km/h, continuously variable 2nd gear: 0 to 40 km/h, continuously variable (depending on country-specific regulations) Automotive driving mode incl. cruise control and automatic speed reduction
Four-wheel drive	Permanently in loading operation Can be manually activated in street mode
Axles	
Axles	2 planetary steering axles via Driven drive shafts
Differential locks	Front and rear axles can be switched pneumatically separately with automatic function Automatic shutdown when driving on the road
Axle support	Hydraulically preloadable support cylinders on the rear axle Swing axle
Chassis	
Steering types	Front-wheel steering, rear-wheel steering, all-wheel steering Preselectable steering combinations including automatic center position rear axle suspension comfort chassis (3rd and 4th axle) for road travel, can be raised for field travel
Tires	
	MICHELIN MegaXBIB 710/75 R 34

Brakes	
Service brake	Hydraulic drum brake on both axles
Parking brake	Spring-loaded parking brake
Hydraulic system	
Hydraulic oil tank capacity	180 l Pump distributor gearbox including pressure circulation lubrication
Load-sensing working hydraulics maximum flow rate	162 l/min BOSCH-REXROTH for cylinder functions, including simultaneous control
Pick-up and post-cleaning	4 x closed hydraulic circuits 4 x axial piston pumps (BOSCH-REXROTH)
HOLMER EcoPower engine management system	
	Loading at low engine speed 1,150 rpm through optimal gear ratio Power-shiftable multi-plate clutches for decoupling pump trains during road travel
Power supply	24 V alternator 150 A Central, modular design of the on-board electronics in circuit board design Water-resistant and vibration-proof, including plug-in systems with secondary locking 1 x central computer and interchangeable expansion modules 2 x 12 V sockets (cabin) 1 x 24 V power outlet (engine compartment) 2 x 12 and 24 V fixed connection (for radio equipment, etc.)
Panorama cabin	
	3.5 cubic meters of space Sound insulation 360° view, all-round glazing and side windows that can be opened hydraulically liftable to 5.10 m and can be moved back by 1.24 m Automatic climate control and auxiliary heating 5 x windshield wipers on front, side, and rear windows as well as the door, including interval and wash function Stereo DAB radio with Bluetooth hands-free kit GRAMMER swivel seat with seat heating and pneumatic locking at the touch of a button Sun blinds Spacious cooling compartment and storage compartments for files
Innovative HOLMER SmartDrive operating concept	12.1-inch touchscreen terminal HOLMER EasyTouch 2 x ergonomic joysticks with integrated mini joysticks for frequently used functions Settings for all units can be operated and saved via soft keys Quick selection function for cleaning intensities via freely assignable soft keys Error memory function and diagnostic menu, including export via USB interface

Lighting	
Headlight	2 x LED low beam headlights (1,950 lm) 2 x LED high beam headlights (1,950 lm) 2 x full LED rear lights and dynamic turn signals
Work light	14 x LED (2,500 lm) cabin, all-round 10 x LED (1,800 lm) Cleaning units, transfer units 3 x rotating beacons energy-saving LED engine compartment lighting
Camera system	
	4 cameras series: depth control, rear cleaner, loader, and reversing camera Screen layout: 1, 3, and 4-fold, monitor installed on swivel seat
Central lubrication	
	BEKA-MAX, electronically controlled Interval lubrication and manual operation adjustable via terminal
Pick-up	
	VarioPick patented by HOLMER Width 9.72 m (inside) 3 independently adjustable roller types Automatic and manual reverse function Icebreaker
Angle	Adjustment from 17° to 22°
Rollers	4 x pickup rollers (Finger and transfer rollers) 6 x pre-cleaning rollers (distribution rollers) 8 x main cleaning rollers (pinching or collecting rollers) Pipe diameter 140 mm, Coil diameter 20 mm Made of wear-resistant special material Special armor plating on the coils of the collecting rollers, depending on the direction of conveyance, 3 layers at most standard with up to 4x hard welded between the windings Integrated storage on continuous collecting roller tube without incline, including carbide plate at the end of the coils
Middle point	Automatic speed adjustment with the super-charger Slow-running replaceable tip and two-part hood
Pile clearer	Telescopic tube including pendulum compensation and automatically folding headlights Proportional control via mini joystick Automatic residual beet system including offset function

In-feed conveyor

900 mm wide, pitch 50 mm
Resistant, soft PU drivers, including stone and dirt flaps
Cleaning function with doubling of belt speed for very sticky floors
In-feed conveyor channel with PU plates for wear protection

Post-cleaner

8 x after-cleaning rollers with specially tempered double coating
Fall levels 680 to 780 mm
(Belly strap on after-cleaner)
Fall levels 640 to 720 mm
(After-cleaner on transfer vehicle)

Screen belt (series),
900 mm width including 50 mm pitch
HOLMER Cleaner (optional),
1,100 mm wide
HOLMER VarioCleaner (optional), 1,100 mm wide
HOLMER CrossRoller flex (optional), 1,100 mm wide
Beet brake (optional)

Transfer loading arm

Bandwidth 770 mm
Loading height more than 6.00 m
Maximum loading width 15.00 m
Lightweight construction with high-strength PE wear plates Can be swiveled to the right or left up to a swivel angle of 332

Counterweight arm

Integrated foldable diesel tank
Maximum 2,870 kg (full diesel tank) with center of gravity shift of up to 19%

Automatic folding mechanism

Automatic folding of pickup, cab, transfer arm, including counterweight arm swing out and unfold
Working position or road travel at the touch of a button, preselectable on the right or left

Cleaning route

At least 24.4 m to 32.5 m at most
Cleaning area
At most 31.3 m²
Automatic shut-off strategies for reverse pick-up and after-cleaning

Weighing system (optional)

Pfreundt belt scale with 2 weighing cells on the transfer table and menu control in the terminal, weighing rollers on the straight section
Optional: Data interface

Water spray system (optional)

Up to 1,200 l
4 nozzles in the holder
6 nozzles in the post-cleaner
Continuous and interval operation
Pressure-dependent control
separate preselection of spray and pause times
Right/left switch
Filter

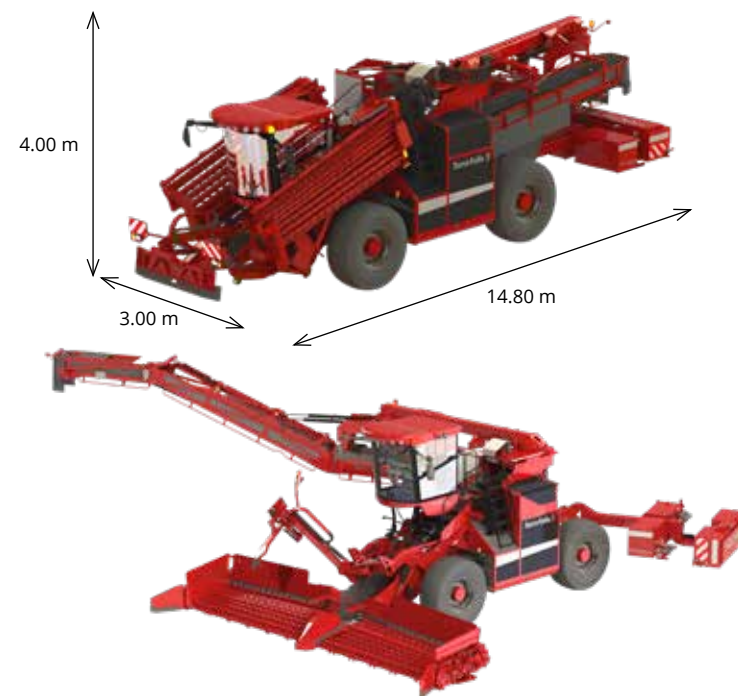
Dimensions and weights

Total length 14.80 m
Width 3.00 m for 710/75 R 34
Height 4.00 m
Wheelbase 4.80 m

Special equipment

TopView camera system
IF 800/70 R 32 MICHELIN
182 A8 TL CerexBib (external width 3.27 m)
HOLMER EasyHelp 4.0 telemetry system
Bunker pick-up
Stack divider; pick-up width 3.70 m

Terra Felis 3 evo



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

Features depend on country-specific regulations.



100 % Recycling-Papier – mit Blauen-Engel zertifiziert

HOLMER



10/2025

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