



# Terra Felis 2

**HOLMER**   
exxact



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# Terra Felis 2

Uncompromising. Efficient.

Pick-up	4
HOLMER VarioCleaner	5
Loading	6
Chassis	7
Cab	8
HOLMER EasyTouch	10
Engine / Hydraulic system	12
Details	13
Holding tank pick-up/ HOLMER Service	14
Technical data	15



The uncompromising implementation of innovative concepts in terms of an economically efficient, highly rational beet harvesting technique have made HOLMER the Number One on the market world-wide. Similarly, HOLMER does not accept compromises with the Terra Felis 2 either.

Terra Felis 2 has no problem adapting its cleaning performance to the various loading conditions which obviously may fluctuate greatly during the campaign. The cooperation of the innovative pick-up of the Terra Felis 2, developed and patented by HOLMER, and the redefined post-cleaner HOLMER VarioCleaner ensures optimum beet cleaning quality and maximum loading efficiency. Thus, Terra Felis 2 promises high harvesting productivity coupled with maximum economic efficiency.

# Perfectly adapted pre-cleaning Gentle or intensive.

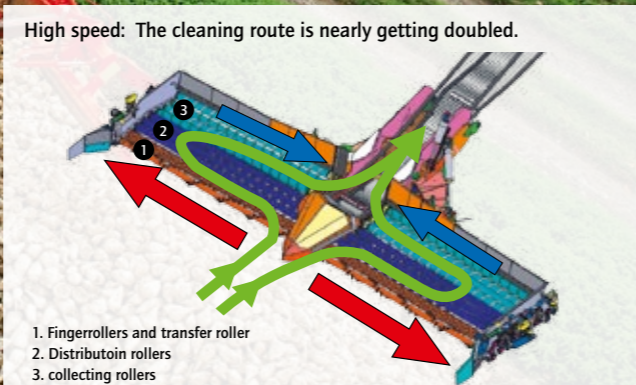
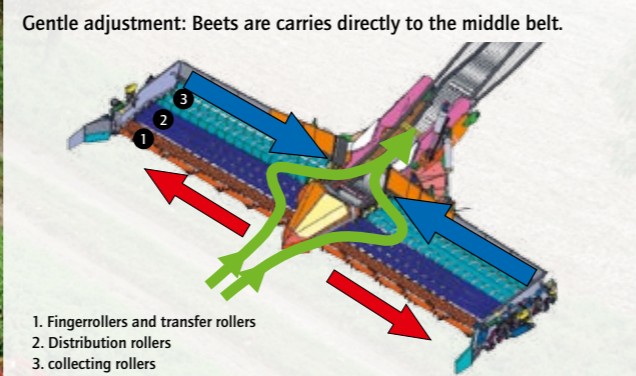
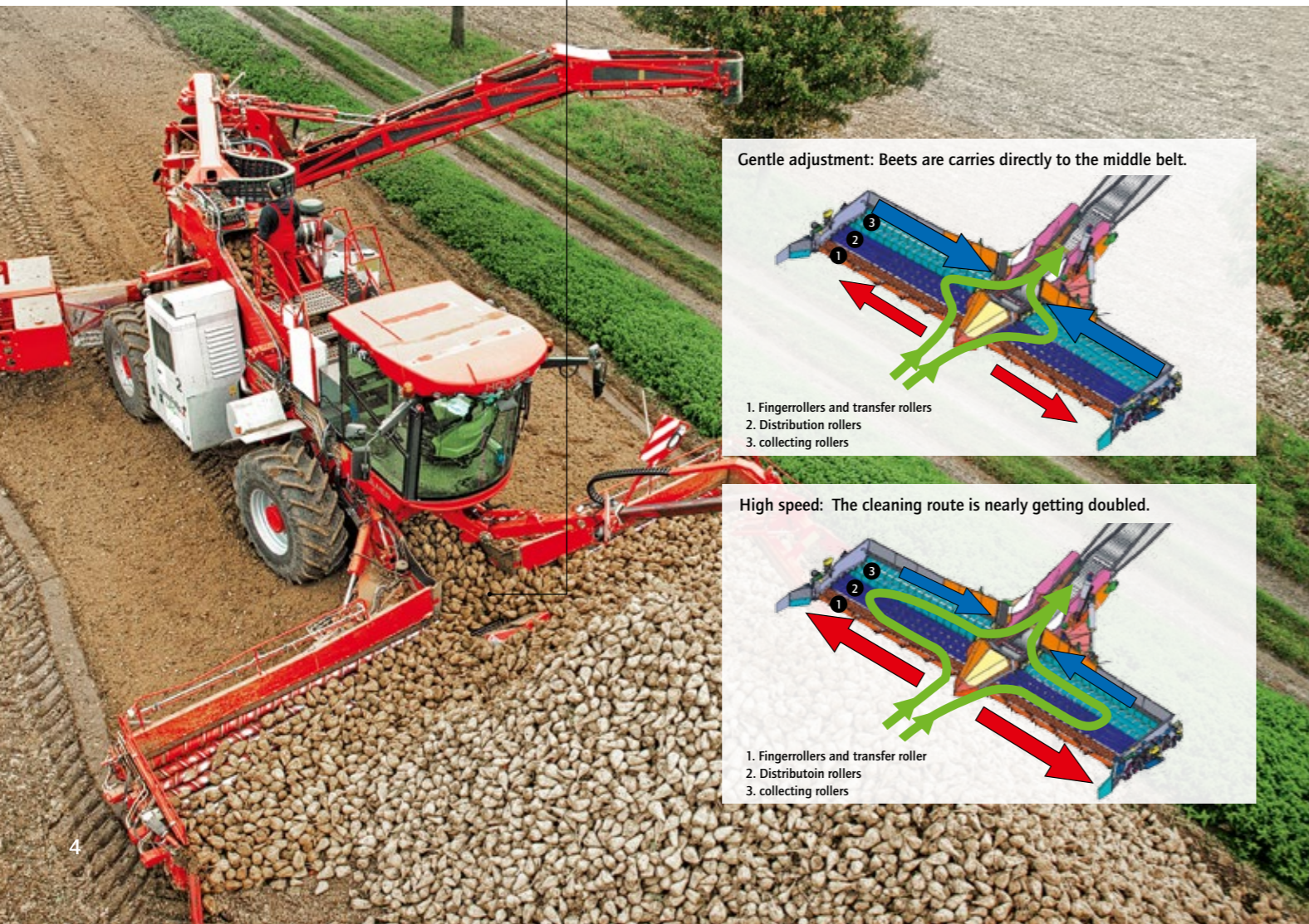
The cleaning track and thus the cleaning intensity of the table designed by HOLMER can be adapted flexibly and easily by steplessly varying the rotational speeds of the distribution and gathering rollers.

- > Variable cleaning performance thanks to adaptation of the rotational speed of the distribution and gathering rollers
- > Pick-up width 10 m
- > The increased roller diameter of 140 mm not only reduces wear, but also clogging of the rollers
- > Consumes less fuel: 40% reduction of rotational speed with the same loading performance

High rotational speeds on the distribution rollers first move the beets outwards on the table. This almost doubles the cleaning distance compared to the "gentle" setting.

- > The sliding wedge consists of a divided hood which can be opened easily for inspection
- > The pendulum equalizer on the clamp blade ensures an optimum pick up of the remaining beets – even in corners
- > Automatic folding (outwards and inwards) at the mere push of a button

The pick-up is followed by the gentle, but efficient 900 mm wide center conveyor. It thus ensures a high loading performance of up to 560 t/h.

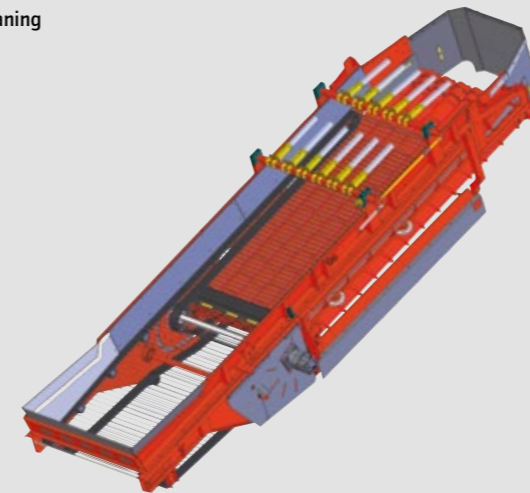


# HOLMER VarioCleaner Flexible post-cleaning included.

Absolute consistency is the predominant feature of the post-cleaner HOLMER VarioCleaner – also as regards the 15 m long transfer arm. The innovative concept: with the VarioCleaner, beets can be cleaned extremely gently or intensively – as required. This results in gentle beet transport with considerably reduced loss of roots and less damage to the beets.

Under difficult conditions and in the presence of large amounts of dirt, the counter-rotational roller cleaner provides excellent results. If the beets are only slightly soiled, the counter-rotational rollers are covered completely or partially by a steplessly variable transfer web. Stepless setting of the cleaning intensity.

Gentle cleaning



Intensive cleaning



## HOLMER cleaner for average and clayey soils

The gentle roller-cleaner! The transfer on the web prevents root-break losses



## HOLMER transfer web for light grounds

The solution for a gentle beet transport at a minimum wear



# Optimum loading

## In any position.



Difficult-to-access loading areas, long distances to be bridged, considerably varying loading heights? No problem for the Terra Felis 2. Thanks to its transfer loader with up to 15 m transfer scope and a transfer height of up to 6 m, it covers a loading angle of just over 330° via two hydraulic slewing rings. Thus, smooth beet loading is a matter of course.

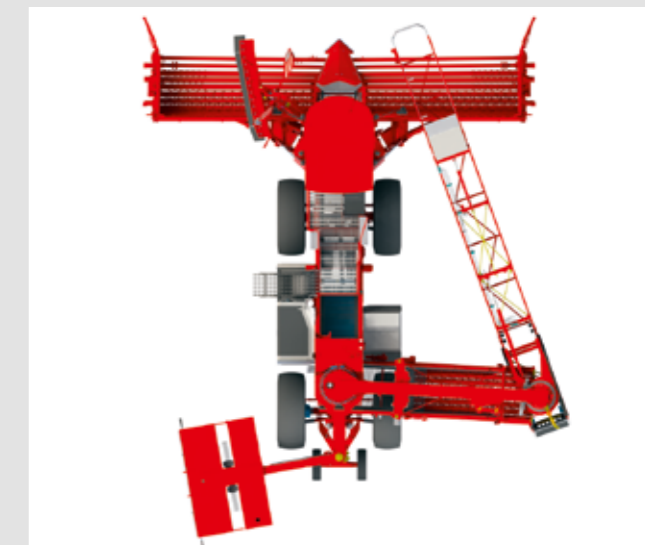
### Additional benefits of the transfer loader:

- > Light-weight design thanks to high-tensile polyamide plates to reduce wear and costs
- > Hydraulic non-wearing drive

Optional with a weighing feature integrated in the terminal

### Reaching its destination safely and comfortably at 32 km/h

Terra Felis 2 provides you with an optimally tuned chassis. From the suspension of the pick-up via the axle-base down to the hillside compensator system, these and many other aspects have been taken into consideration to make you reach your destination with the Terra Felis 2 comfortably and safely - in the field or on the road.



Flexibility due to great loading angles

- > The hillside compensator system ensures stability: even with a transfer scope of 15 m, the Terra Felis 2 is well and safely grounded with all four wheels
- > Even on the road, the machine is stabilized by the suspension system to avoid borderline situations occurring right from the start
- > Excellent weight distribution and arrangement of modules, e. g. the pick-up, to ensure optimum traction over all four wheels
- > Both drive axles are equipped with brakes
- > Additional driving comfort comparable to that of a tractor is ensured by the 3 and 4 axles in a carefully defined location



The special wide angle camera mounted on the transfer loader allows a perfect sight

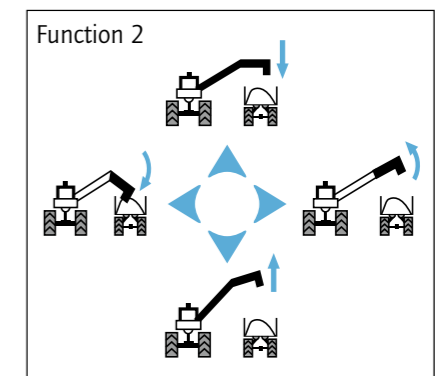
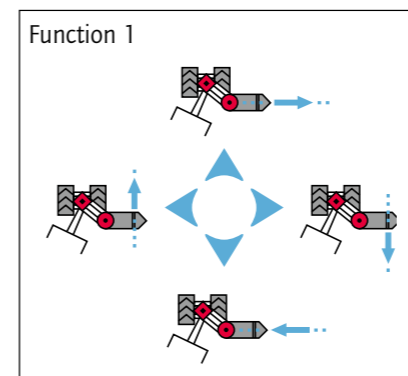
# A working place with feel-good guarantee.



# A comfortable Joystick All in one hand.



The multifunktion joystick  
Allocation of the main directions:



### Equipment features:

The cab – at present the largest available on the market – not only provides a unique space perception but also an optimum working climate to feel good in.

The cab is the main working place of the Terra Felis 2 operator, which is why HOLMER set itself the design target to build a cab which leaves nothing to be desired.

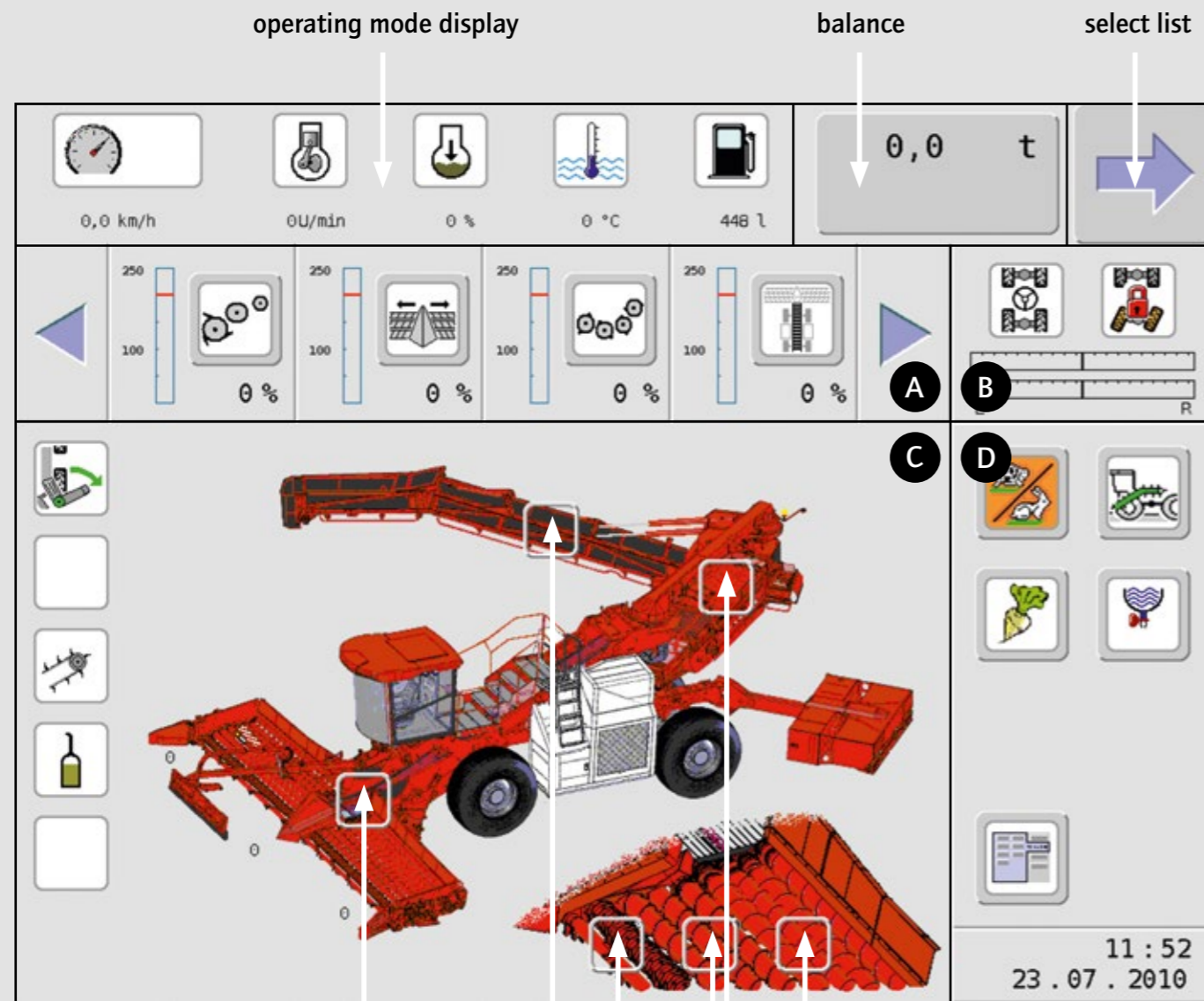
- > Auxiliary heating as standard
- > Leaving home function for working lights
- > Automatic folding system comprises the following functions:
  - side plates up/down, inwards/outwards
  - lifting/lowering pick-up side plates
  - lifting/lowering center duct
  - sliding plates inwards/outwards
  - blade assembly in on-road position

- > Automatic post-cleaner is swung automatically into working or on-road position
- > Two proportional joysticks for handling the machine functions
- > Standard automatic climate control
- > Spacious refrigerator box
- > Pneumatically locked rotary heated seat
- > Electrically adjustable and heated rearview mirrors
- > Optionally available with a radio with Bluetooth and hands-free talking function
- > 4 Xenon headlights are optionally available

# HOLMER EasyTouch

New standards regarding intuitive operation are set by the Touchscreen Terminal with the EasyTouch interface specifically designed by HOLMER.

The highlight: Menu interface in the main indication area is adapted automatically to current operating mode. The functions not required can be blanked out.



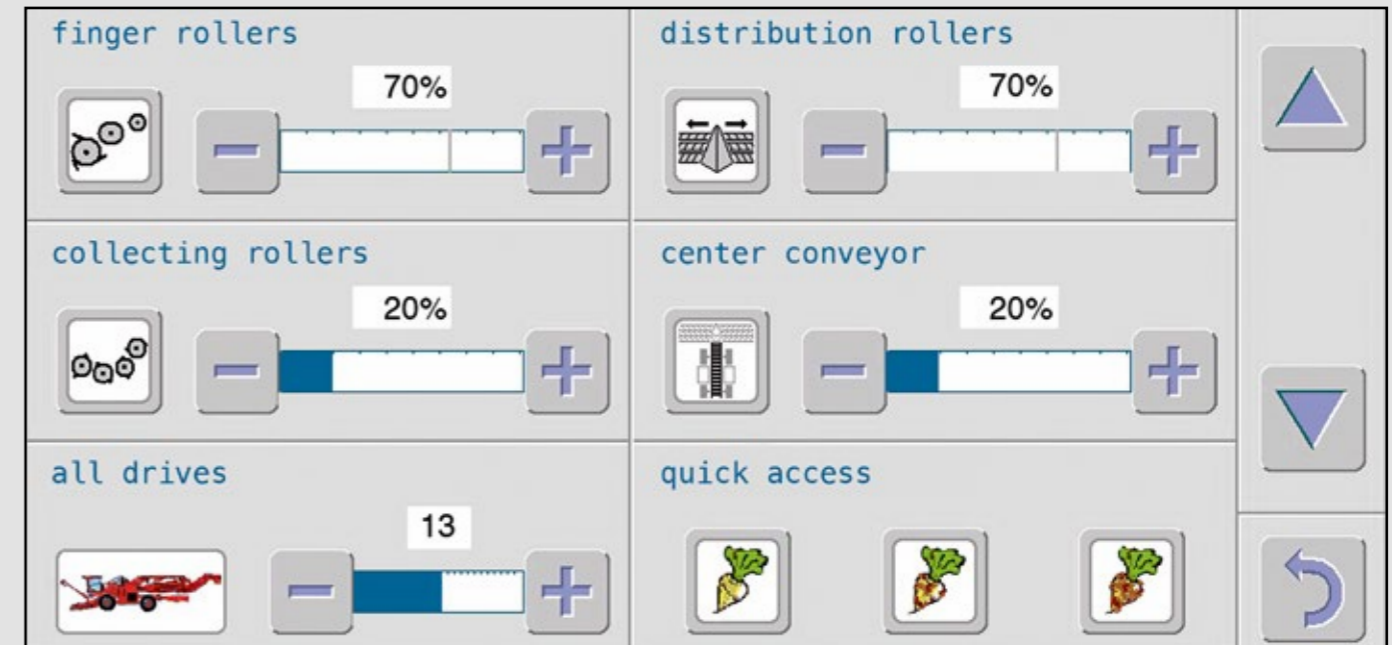
Softkeys

The important operating panels and parameters such as the module bar **A**, the steering display **B** and the service data display are in a fixed location; thus the operator can always monitor and control the machine easily, no matter whether in the field or on the road.

The main display area **C** not only provides operating information and warnings, but here, the operator can select and adjust all parameters of the individual modules intuitively via softkeys.

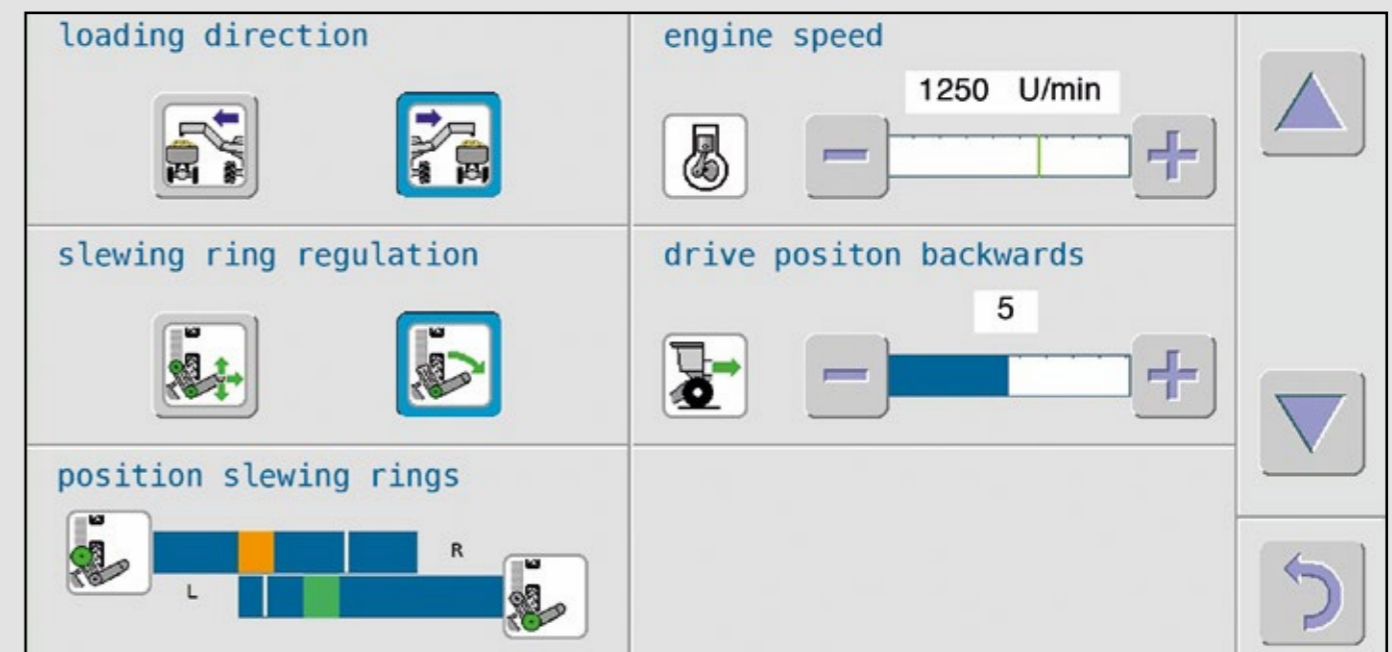
The base setting can be done in the select list **D**. The loading settings show all speeds of the individual modules at a glance and allow all rotational speeds to be adapted by pres-

sing a button (e. g. when picking up the residual beets); three basic settings can even be saved and retrieved at the touch of a finger.



Moreover, in the machine menu, the operator can enter his individual settings, from the reversing speed up to the unique option of synchronous control of both slewing rings.

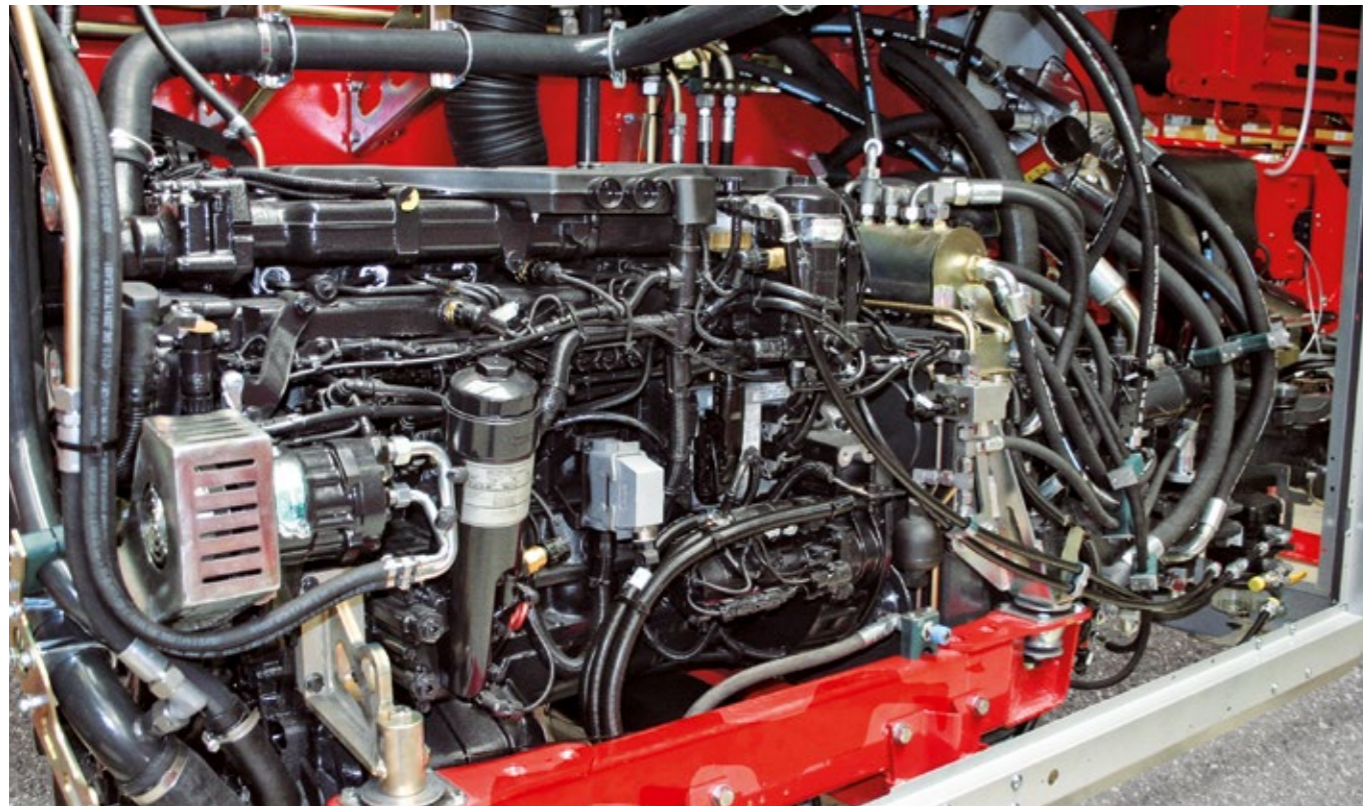
This means that to remain parallel with the machine, the operator does not have to control the joystick crosswise, but to move it into one direction only.



The key pad "Selection list" takes you to the machine set-up, diagnostic system, the basic scales setting and back to the loading program.

# Powerful engine

## More power – less fuel consumption.



The powerful MAN engine (250 kW) in the reduced speed range ensures low diesel consumption at a maximum loading performance of up to 560 tons per hour.

The high-capacity hydraulic modules of the Terra Felis 2 ensure extremely long service lives. This ensures reduced operating costs due to low-wear modules.

- > Emission level 3b - without AdBlue!
- > Operation at full load and maximum torque at only 1200 rpm
- > Automotive loading
- > Excellent accessibility for maintenance and service
- > Hydraulically driven and automatically reversing fan

- > Load-sensing hydraulics
- > Switching OFF the pump lines not required via load-sensing multi-disc clutches improves the cold-starting properties and saves fuel during roadwork
- > The hydraulic tank integrated in the engine compartment is kept warm over a long period of time by the engine's residual heat, in order to ensure optimum oil viscosity also under very low operating conditions

# Details

## Everything neatly stowed away!

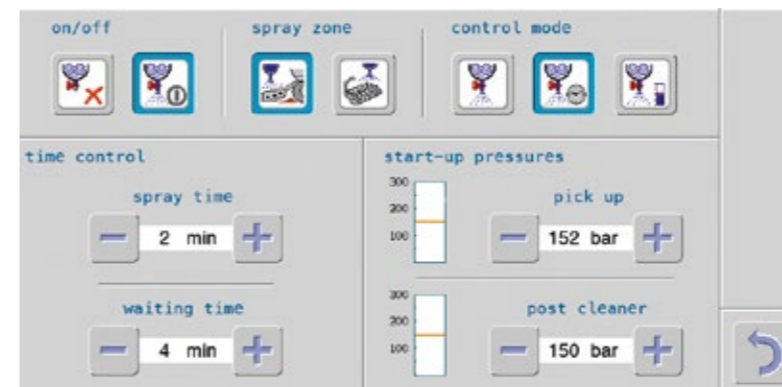
The storage boxes of the Terra Felis 2 provide ample space even for traffic signs safeguarding loading areas on roads. The boxes are easily accessible from the front and the sides. Thanks to the residual heat dissipated by the oil and air con

ditioning cooler, the central lubrication integrated in the box between the two axles maintains sufficient flowing properties even under difficult weather conditions. Optionally, a data box can be provided for the installation of a printer or scanner for the data recording system.

## Difficult circumstances?

For regions subject to very high temperatures during the campaign or clogged soil conditions, the Terra Felis 2 can be equipped with a water spraying system.

- > Capacity 550 liters (at choice 1,100 liters)
- > Innovative operating concept and setting options
- > Interval mode
- > Unique feature of spraying time preselection during the breaks
- > Automatic printer control: The spraying device is started automatically and independently at the pick-up or at the cleaner at a preselected pressure



## When the work goes on and on

With a capacity of 1,400 liters, the tank of the Terra Felis 2 not only permits long operating times – being integrated in the slewing counterweight, it also enhances safety during

operation on inclines. The integrated step ensures stability while refuelling the Terra Felis 2.



# Holding tank pick-up

## Performance in a new dimension.



The Terra Felis 2 can be provided optionally with a 13 m<sup>3</sup> large tank pick-up. The tank is loaded via a crane or a wheel loader. This permits storage of the beets in a large clamp or even on paved areas.

- > Tank volume 15 m<sup>3</sup>
- > Cleaning via rubber finger rollers
- > Progressive adjustment of the slat conveyor's advancement speed

# The HOLMER Service

## More than convincing.

Within easy reach of our customers, reliable, competent, quick - the convincing performance of the Terra Felis 2 is continued consistently in demand-driven consultation and other services which are tailored to the customer's specific requirements.

- > Customized services offered by HOLMER's after-sales service
- > Providing comprehensive service base support
- > 24-hour service and spare parts shipment during the harvesting season
- > Ample training schedule for customers
- > Comprehensive spare parts program can be ordered conveniently from our on-line shop



# Technical Data

Engine	MAN D0836LE
Power output	250 kW (340 HP) at 2100 rpm; 220 kW (300 HP) at 1700 rpm
Travel drive	<ul style="list-style-type: none"> <li>• Mechanical front and rear axles</li> <li>• Axles driven via propeller shafts</li> <li>• A hydrostatically driven 3-gear transfer box is located between both axles</li> <li>• Crawling mode can be connected separately</li> </ul>
Axles	Front: planetary steering axles with brakes Rear: planetary steering axles with brakes
Locks	Front and rear axles with connectable differential lock
Driving speeds	<ul style="list-style-type: none"> <li>• Crawling speed: 0 - 0.09 km/h</li> <li>• 1st gear: 0 - 12 km/h, progressively variable</li> <li>• 2nd gear: 0 - 25 km/h, progressively variable (optional 32 km/h)</li> </ul>
Hydraulic system	Travel drive: LINDE PTO: BOSCH-REXROTH
Comfort cab	<ul style="list-style-type: none"> <li>• Rotary seat with pneumatic lock at the push of a button</li> <li>• Sound-insulated, panoramic glazing</li> <li>• Air conditioning, auxiliary heating and heated seat</li> <li>• Pivotal side windows, sun visor</li> <li>• Radio</li> <li>• Spacious refrigerator box</li> </ul>
Lighting	<ul style="list-style-type: none"> <li>• 2 rotating beacons</li> <li>• 20 working lights</li> <li>• Front: 4 Xenon lights (optional)</li> </ul>
Control elements	<ul style="list-style-type: none"> <li>• Touch terminal operation with HOLMER EasyTouch as setting and information interface for the driver</li> <li>• Operation of frequently used functions via 2 joysticks</li> </ul>
Steering (preselectable steering combinations)	<ul style="list-style-type: none"> <li>• Single-axle steering</li> <li>• All-wheel steer</li> </ul>
Central lubrication	BEKA-MAX
Fuel tank	1,400 l
Overall length	14,75 m
Overall width	3,08 m
Overall height	3,96 m
Axle base	4,80 m
Tyres	710/75 R34
Transfer height	over 6,00 m
Transfer scope	max. 15,00 m
Loading angle	Pivotable to the right or left up to a swing angle of 332°
Active cleaning surface	approx. 9.50 m internal width, approx. 10 m overall width
Active cleaning surface	35,50 m <sup>2</sup>
Subject to technical modifications!	





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