



MAUS 5

ROPA

Superior class.



R-Concept highlight - new cabin and operational concept for the Maus 5

An improved cabin R-Cab provides the machine operator with a first-class workplace and an unsurpassed overall view. A pleasant and gorgeous interior of the new cabin in combination with excellent sound insulation guarantee most comfortable operation. Extremely powerful fully LED working lights turn night into day.

ROPA combines under the name R-Concept its new intuitive operating philosophy. A large 12.1 inch glass touch screen with Wi-Fi interface performs as an information and command centre of the machine. From here the operator monitors the entire machine, receives information about operating conditions and performance data, adjusts cleaning intensity and, thus, working results of the machine. The operation is performed dually, either with finger touch on the touch screen or with turning and pressing the rotate buttons „R-Select“ and „R-Direct“, which are situated in the ergonomically perfect position at the newly designed control panel in the handle of the multifunctional joystick (with integrated mini joystick). The thin control panel at the operator's place suggests numerous possible adjustments for the psychologically optimum and comfortable seating position and at the same time increased visibility and heating of comfortable air seat as series. Premium class workplace.

Compact on the road – minimum time for preparation

For road drive the complete Maus folds in automatically to a road width of 3 m and a total length of only 14.97m with just one operating element in the cabin - unique between all the loaders! The wheel base of 5.5 m combined with two hydraulically sprung additional axles guarantees safe handling of the approx. 31 t loader while maintaining the best driving comfort even at the speed of 32 km/h.







10.2 m wide pickup system with flexible cleaning adjustment

The robust pickup system, extended up to 10.2 m in width, has totally 18 cleaning rollers (produced with a hard welded finish as standard) and ensures efficient soil and weed removal. It is the widest pickup system between the other cleaning loaders on the market. Depending on the level of cleaning required the cleaning path in the pickup system can be adjusted in length and intensity from the operator cabin.

Mercedes-Benz engine with the exhaust gas category 4 Final

The extremely economical Mercedes Benz OM936 engine of 260 kW/354 hp with 7.7 l volume capacity, 2-stage turbocharging, 1,400 Nm max. torque at 1,200 rpm (exhaust gas category 4 Final with AdBlue and SCR-Cat) is integrated in the most efficient drive concept. It is automatically driven at reduced engine rpm during loading, while at the same time preserving enough power for extreme conditions.

Optimal balance with counterweight arm

The counterweight arm, specially developed by the company's founder Hermann Paintner, is made of special 700 fine grain steel and contributes to the impressive performance of the Maus during loading whilst maintaining utmost machine stability. The counterweight arm is up to 9 m long and 4 m high and can be swung out together with the fuel tank, which serves as a counterweight to the loader, thus ensuring optimal balancing of the machine even at more than 15 m overloading width. The optional scale is integrated in the overloading conveyor articulation part and provides even better results. All the overloading conveyor side walls are made of high-strength PU plates and which can be turned in four directions.

Efficient hydraulics enables rotational speed reduction

The hydraulic system with an improved gear/revolution transmission provides efficient power transfer whilst combining high throughput with low consumption at a steady loading of 1,200 rpm. Powerful load-sensing hydraulics ensures the highest possible hydraulic fluid capacity and a prompt response of the entire operating hydraulics even at idling speed.

Machine construction in perfection

The main frame consists of laser-welded and angled profile tubes of 700 fine grained steel and offers very high stability. All components are functional, transparent and maintenance-friendly. The various detailed solutions, e.g. the automatic folding/unfolding mechanism, video-system at the terminal with 2 cameras in series (4 cameras optionally), automatic stone protection, reversible and swung up cooling fan, fuel filter monitoring etc. all contribute to the highest possible performance at lowest maintenance needs. Electronic data recording, fuel consumption gauging, air-conditioning, park heating, rear view camera and central lubricating system are part of very comprehensive standard equipment of the Maus 5. Optionally available are systems for beet logistics, all of which can be integrated directly into the main terminal without auxiliary terminals (integrated application management). The automatically controlled from sensors water spray system provides significant assistance in difficult loading conditions.



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