

# HLC-4000

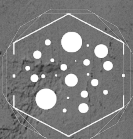
## WHEEL LOADER WEIGHING SYSTEM



The combination of reliability and innovative functions.  
With the ability to give your high demands a simple  
process.

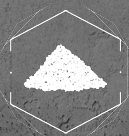
# Challenges in mobile weighing technology

Mobile weighing technology is playing an increasingly central role in modern logistics. However, as with many technological advances, there are specific hurdles that need to be overcome.



## WEIGHT OF THE MATERIAL

Without mobile weighing systems, the exact weight of the material often remains unknown during loading, making time-consuming, stationary weighing necessary.



## TRANSPORT OPTIMISATION

An underloaded lorry wastes your capacity. An overloaded lorry carries the risk of penalties, increases wear and tear and poses a safety risk.



## PROCESS MONITORING

Another challenge in mobile weighing technology is the collection and processing of data, the basis for good decisions.



# MOBA Wheel Loader Weighing System

## HLC-4000

### MAKES YOUR TASKS AS SIMPLE AS POSSIBLE

With its precise and dynamic weighing system, the HLC-4000 enables exact weight recording, which prevents overloading and underloading. The robust design guarantees reliability under the most demanding conditions. An indispensable tool for anyone who wants to increase efficiency and safety in their loading operations.

"Since we have been using the HLC-4000, our loading efficiency has increased significantly. I am particularly impressed by the short start-up time of the scale, it is always there when you need it!"

"Transport optimisation with the HLC-4000 is a real game changer for us. Overloading or underloading is now a thing of the past and we can be sure that every lorry is optimally utilised."

"The intuitive operation and the option of remote access to the system is very reassuring for us. If there are any problems, our service partner can respond immediately or we can help ourselves. No long waits for the service technician."



# The features of the HLC-4000

- » **Dynamic weighing system:** Precise weight recording in real time.
- » **Intuitive operation:** Day and night modes guarantee perfect readability in all situations.
- » **Remote access:** Access to the system enables remote service.
- » **Robust sensors:** Reliable performance even in harsh environments.
- » **Multi-language support:** Adaptable for international use.
- » **Multi-job tasking:** Simultaneous management of multiple tasks.
- » **Modular upgrades:** Simple expansion thanks to high modularity.
- » **Video assists:** Video aids for effective user support.
- » **Extended data storage:** Storage of 1,000,000 data records, 8 data lists with up to 1,000 entries per list.
- » **Geofence function:** Collection of process data within configurable areas



VISUALISED TARGET  
WEIGHING



TIP-OF PILE  
FEATURE



TIP-OF TRUCK  
FEATURE



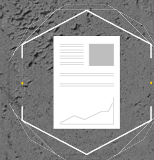
# Your benefits at a glance



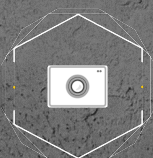
Multi-job processing  
incl. tip-off pile and tip-off  
truck modes



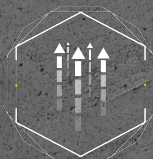
Graphic visualisation  
& large touch display



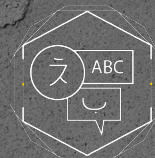
Statistics & reports  
as well as target weighing  
function



Remote Service  
to minimise downtimes



Cloud connectivity  
for further analyses  
in the HLC-Web



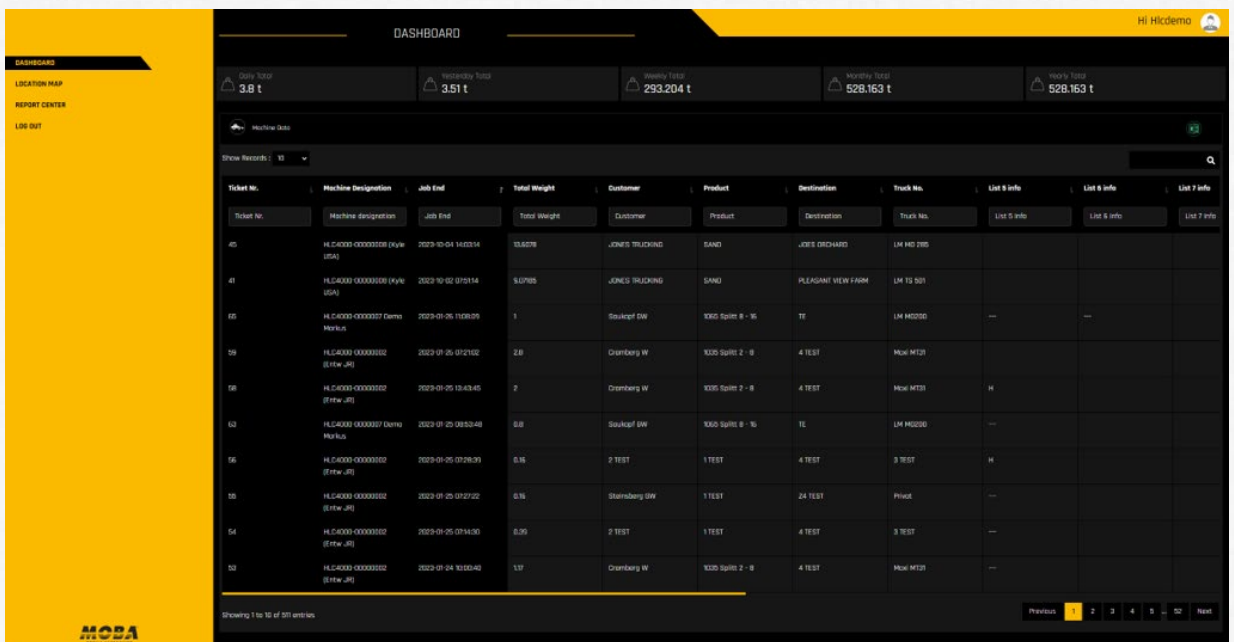
Dynamic weighing  
& multi-language  
support

# MOBA Wheel Loader Weighing System

# HLC-WEB

## WEIGH INTELLIGENTLY, WORK EFFICIENTLY: OUR WEB PLATFORM

The HLC-Web-Portal is a digital hub for the mobile weighing system. The user has real-time access to the data, which enables data management from anywhere.



The screenshot displays the HLC-Web-Portal dashboard. At the top, there are four summary cards for 'Today Total', 'Yesterday Total', 'Weekly Total', and 'Monthly Total', with values 3.8 t, 3.5 t, 293.204 t, and 528.163 t respectively. Below these is a 'Machine Data' section with a search bar and a table of records. The table has columns for Ticket No., Machine Designation, Job End, Total Weight, Customer, Product, Destination, Truck No., and three 'List Info' columns. The data shows various weighing events for different machines and products like SAND and SOIL.

Ticket No.	Machine Designation	Job End	Total Weight	Customer	Product	Destination	Truck No.	List 9 info	List 6 info	List 7 info
40	HLC4001-00000108 (Wyle USA)	2023-01-04 14:03:34	13,6279	JONES TRUCKING	SAND	JONES DISCHARGE	LM HD 200			
41	HLC4001-00000108 (Wyle USA)	2023-01-02 07:01:14	5,0705	JONES TRUCKING	SAND	PLEASANT VIEW FARM	LM T3 501			
45	HLC4000-00000107 Demo Marfak	2023-01-26 11:09:29	1	Saukopf BW	1000 Split 8 - 16	TE	LM HD200	---	---	
59	HLC4001-00000102 (Hfw_JH)	2023-01-25 07:21:02	2.8	Cramberg W	1000 Split 2 - 8	4 TEST	HwM M21			
58	HLC4001-00000102 (Hfw_JH)	2023-01-25 13:43:45	7	Cramberg W	1000 Split 2 - 8	4 TEST	HwM M21	H		
63	HLC4001-00000107 Demo Marfak	2023-01-25 09:53:48	0.8	Saukopf BW	1000 Split 8 - 16	TE	LM HD200	---	---	
56	HLC4000-00000102 (Hfw_JH)	2023-01-25 02:28:30	0.16	?	TEST	4 TEST	3 TEST	H		
55	HLC4001-00000102 (Hfw_JH)	2023-01-25 07:27:22	0.16	Stainsberg BW	1 TEST	24 TEST	Privat	---	---	
54	HLC4001-00000102 (Hfw_JH)	2023-01-25 07:14:30	0.39	?	TEST	4 TEST	3 TEST	---	---	
53	HLC4001-00000102 (Hfw_JH)	2023-01-24 10:05:42	1.17	Cramberg W	1000 Split 2 - 8	4 TEST	HwM M21	---	---	

## Advantages:

- » Flexibility: Remote access allows users to retrieve data in real time and adjust settings without having to be on site.
- » Efficiency: Analysis tools allow users to identify weighing trends and optimise processes.
- » Centralised control: All data and system functions are accessible from a central dashboard, facilitating consistent monitoring and management.

# WORLDWIDE EXCELLENCE

The MOBA Group has been a major player in mobile automation for more than 50 years. Our know-how and experience make us a globally recognized expert.

We develop and produce innovative machine control systems, identification and mobile weighing technologies, as well as flexible software solutions. MOBA components and systems are also used in areas where robust and reliable sensors, controllers and control units are needed.

**First Choice in Mobile Automation** - this is what the MOBA GROUP stands for since more than 50 years.



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