

# HLC 1000 & 2000



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MOBA HLC / WHEEL LOADER WEIGHING SYSTEMS

MOBA-AUTOMATION.COM



**MOBA AG** has been developing and manufacturing mobile weighing technology since the 1970s. With more than 40 years' experience in road construction and the establishment of market leading systems like **MOBA-matic** and **Big Sonic-Ski**, MOBA Mobile Automation AG is a driver of innovation in the worldwide mobile automation market.



# DYNAMIC **WEIGHING** **INTUITIVE** OPERATION



# MOBA WHEEL LOADER WEIGHING SYSTEMS- LOADING THE CORRECT WEIGHT ACCURATELY

With the MOBA wheel loader weighing systems **HLC-1000** and **HLC-2000**, every weighing task is accomplished in the shortest possible period of time. Determine the exact weight of a load quickly and reliably during the loading process. Thanks to the dynamic weighing process you know immediately how much has been loaded – without any additional effort. The omission of a stationary weighing system saves time and optimises your work processes.

The robust operating panel **GDC-320**, which can be operated while wearing gloves thanks to the MOBA Wheel, is fit for any harsh condition – whether it is wind, water, dust or vibration. With its special focus on ergonomics, it takes off where other systems fail.

With the robust display, you can always keep an eye on the current loading weight. If required, the data can simultaneously be stored as a CSV on a USB medium. The configuration of the **HLC-1000/2000** is just as intuitive and easy. Customer and material lists created by you can be easily loaded individually from a USB stick. With the easily operated rotary knob – MOBA Wheel – you can access these lists in a flash. Use this information for subsequent data management, for the creation of invoices or as proof of your services.

With the **MOBA weighing system** you can easily prevent overloading of trucks.

The system adds up the weight of material of all scoops and protects you and the truck driver on site – optionally with a paper printout.

The hang-on system can be used independently of manufacturer, and is therefore compatible with all wheel loaders. The sophisticated technology with inclination sensors for the optimal weighing position is the most reliable method of dynamic weighing on the market.

## SYSTEM ADVANTAGES AT A GLANCE:

- » Intuitive operation
- » Operation possible wearing gloves
- » Insusceptible to errors due to exact determination of the weighing window
- » Quick results thanks to dynamic weight determination
- » Virtually indestructible inclination sensors

## SYSTEM PROPERTIES:

- » Inclination sensors sense the vehicle and load arm position
- » Dynamic weighing during loading
- » MOBA Wheel – rotary knob for easy operation
- » Flexible data lists
- » USB interface
- » Printer option



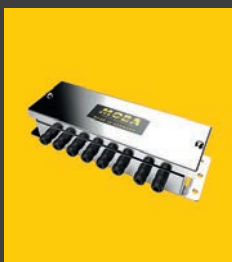
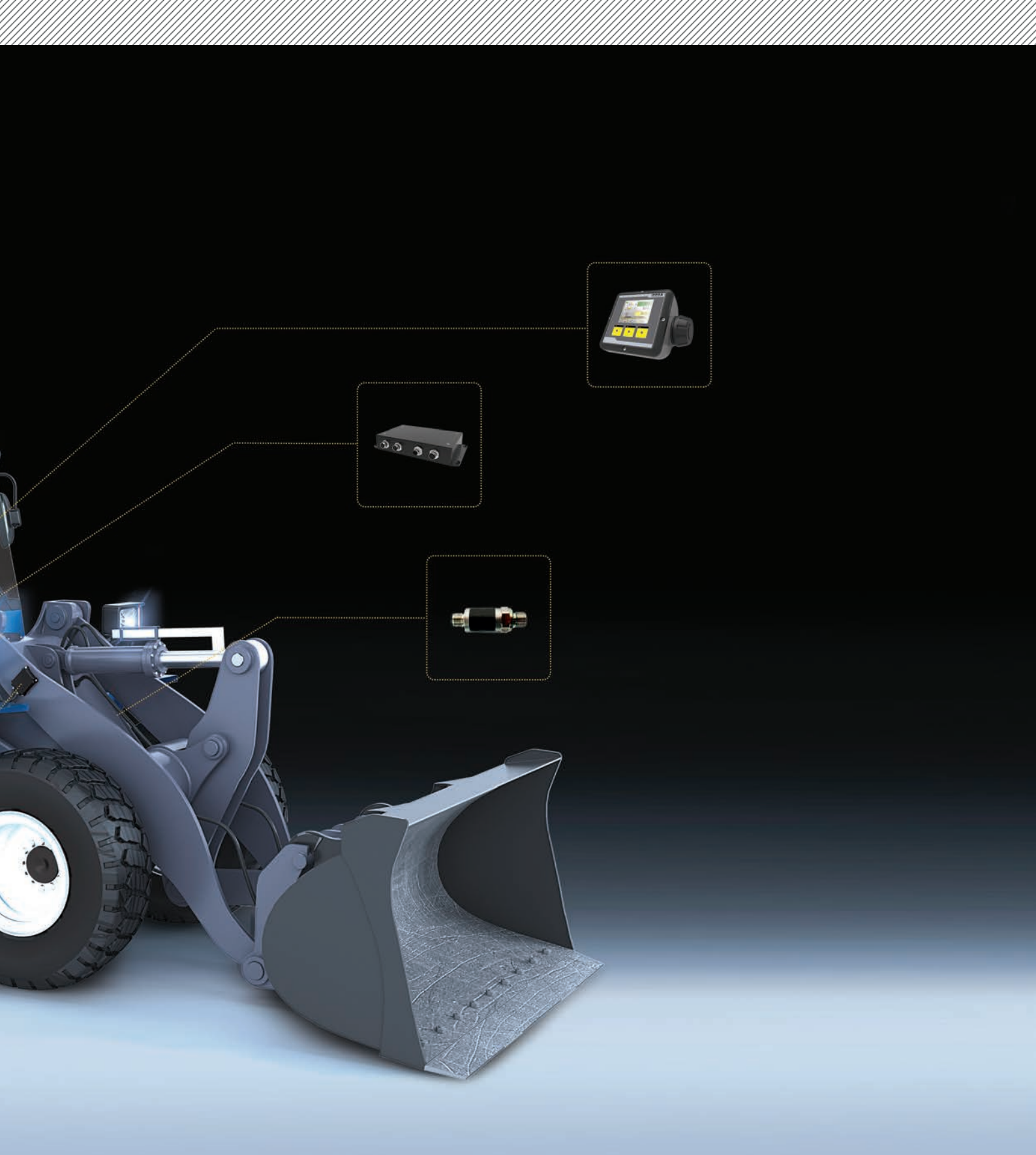
# DYNAMIC. ACCURATE.



## INTELLIGENT WEIGHING TECHNOLOGY - FOR EFFICIENT AND ACCURATE WEIGHT RECORDING

The interaction of the ergonomic **GDC-320** display and robust sensors make the MOBA HLC system a reliable aid for your weighing operations. With the aid of the accurate inclination sensors, the optimal point in time for weighing is determined and the weight is recorded effectively and saved digitally, if required. The system is complemented with the optional printer.

1. **GDC-320** ergonomic operating display
2. **HYDRAULIC PRESSURE SENSORS** for dynamic weighing
3. **INCLINATION SENSORS** for determination of the optimal weighing time
4. **MAIN CONTROLLER SC-106** with CAN technology
5. **INTERFACE-BOX** interface for USB and printer
6. **MOBILE PRINTER** optional





# GDC-320 DISPLAY - AT HOME IN HARSH ENVIRONMENTS



FEATURES	HLC-1000	HLC-2000
DYNAMIC WEIGHING	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
COLOUR DISPLAY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MOBA WHEEL <b>ROTARY KNOB</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TARGET WEIGHT INPUT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DIFFERENT ATTACHMENTS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MATERIAL DATA	<input type="checkbox"/>	Up to 50 entries
CUSTOMER DATA	<input type="checkbox"/>	Up to 50 entries
PRINTOUT WEIGHING DATA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SAVING WEIGHING DATA	<input type="checkbox"/>	On USB-Stick

# ROBUST HARDWARE - ERGONOMICS IN PERFECTION

## PRESSURE SENSOR

- » 250 or 400 bar maximum pressure
- » 300% overload protection
- » High accuracy
- » Excellent long-term stability
- » Compact design



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## INCLINATION SENSORS MSSR-330 / MSSR-322

- » 1 X 1 axis inclination sensor  $\pm 180^\circ$
- » 1 X 2 axis inclination sensor each  $\pm 60^\circ$
- » Compact, robust design
- » CANopen interface
- » Completely encapsulated, IP 67



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## MAIN CONTROLLER SC-106

- » Stainless steel housing IP67
- » 2 input channels for pressure sensors
- » 2 CANopen interfaces



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## INTERFACE-BOX

- » For USB and printer
- » 2 CANopen interfaces
- » Robust design



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## MOBILE THERMAL PRINTER (OPTIONAL)

- » Easy paper change
- » Single cable connection (RS-232 and DC in one cable)
- » Paper width 58mm, 48mm print width



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# ONE GROUP - ONE RESPONSIBILITY



◆ HEADQUARTERS    ● SUBSIDIARIES    ● DEALER

## MOBA GROUP

The **MOBA GROUP** is a leading global player in the world of mobile automation. Close collaborations between the headquarter in Limburg an der Lahn and subsidiaries all over Europe, Asia, North and South America create new perspectives for recent and future developments.

Superior technical know-how and more than 40 years of experience combined with an international dealer network guarantee a premium support - **worldwide. INSPIRING MOBILE AUTOMATION** - this is what the **MOBA GROUP** stands for since more than **40 years**.

### **MOBA GERMANY**

65555 Limburg / Germany  
Phone: +49 6431 9577-0  
E-mail: sales@moba.de

### **MOBA ITALY**

37069 Villafranca die Verona / Italy  
Phone: +39 045 630-0761  
E-mail: salesitaly@moba.de

### **MOBA FRANCE**

77164 Ferrières en Brie / France  
Phone: +33 (0) 1 64 26 61 90  
E-mail: infos@mobafrance.com

### **MOBA UK**

HP178LJ Haddanham / UK  
Phone: +44 184 429 3220  
E-mail: ilewis@moba.de

### **MOBA SPAIN**

08211 Barcelona / Spain  
Phone: +34 93 715 87 93  
E-mail: moba-ise@moba.de

### **MOBA USA**

Peachtree City GA 30269 / USA  
Phone: +1 678 8179646  
E-mail: mobacorp@moba.de

### **MOBA BRASIL**

Belo Horizonte - MG / Brasil  
Phone: +55 31 7513-4959  
E-mail: mobadobrasil@moba.de

### **NOVATRON FINLAND**

33960 Pirkkala / Finland  
Phone: +358 (0) 3 357 26 00  
E-mail: sales@novatron.fi

### **MOBA SWEDEN**

861 36 Timrå / Sweden  
Phone: +46 (0) 73-3750097  
E-mail: pwallgren@moba.de

### **MOBA TECMASERM**

08700 Barcelona / Spain  
Phone: +34 93 804 24 85  
E-mail: moba-tecmaserm@moba.de

### **MOBA CHINA**

116600 Dalian / China  
Phone: +86 411 39269311  
E-mail: ysun@moba.de

### **MOBA CHILE**

Avda. Providencia 1476  
Phone: +56 (9) 61678464  
E-mail: mjmarco@moba.de

### **MOBA INDIA**

Gujarat - 382044 / India  
Phone: +91 989 855 6608  
E-mail: sdesai@moba.de

### **MOBA DENMARK**

5250 Odense / Denmark  
Phone: +45 70 26 96 91  
E-mail: jlindskov@moba.de

### **MOBA AUSTRALIA**

Victoria 3061 / Australia  
Phone: +61 393 570 055  
E-mail: dramondetta@moba.de