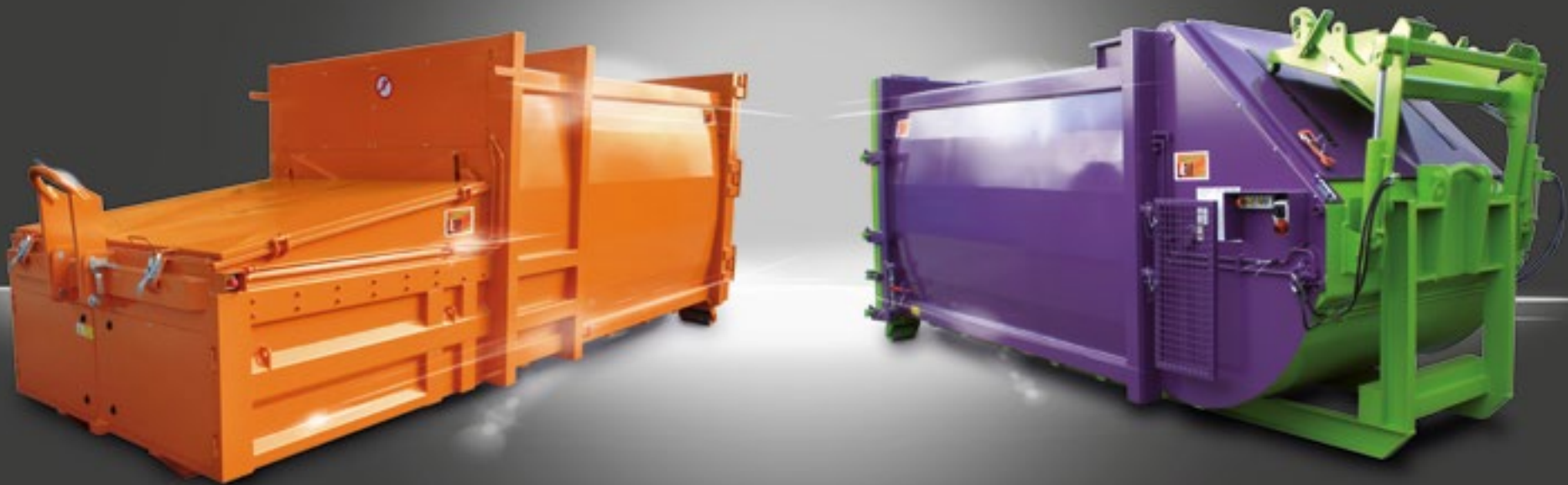




# TECHNOLOGY

## FOR A BETTER ENVIRONMENT.



## TECHNOLOGY FOR A BETTER ENVIRONMENT. A MAJOR CHALLENGE OF OUR TIME.



Against a background of climate change and the shortage of natural resources, the recovery of valuable and recycling materials is of paramount importance to our future. In addition to the prevention of waste, the sorting of recyclables by material types and increasing recovery rates through efficient collections, enables waste materials to be reasonably and economically used for the manufacture of new products.

**An efficient circular economy which reduces waste and recovers valuable raw materials is indispensable today.**

The Emsland-based LUDDEN & MENNEKES ENTSORGUNGS-SYSTEME GMBH (L&M) mechanical engineering company was founded by Mr. Heinz Ludden and Mr. Peter Mennekes in 1991 and has established its reputation far beyond the Emsland

boundaries, well known for the quality and reliability of its compaction systems during its company history of almost 30 years.

In 2005 Mr. Michael Ludden took over the management from his father and after taking over Mr. Peter Mennekes's shares, became the CEO of the entire group of companies. Today L&M is run by the second generation and has built a reputation for implementing powerful systems that make the waste and recycling processes of businesses, cities and communities more effective and efficient.

**We are dedicated to the central task of our time, to preserve a liveable environment for the following generations.**

From the beginning, the new management attached special importance to the further development and optimisation of the common technology and the opening-up of new markets. The reliable products of the company, which employs more than 180 employees today, are further developed continually and have stood the test of time-long-standing and satisfied business partners and a continually growing customer base speak for themselves.

As a part of the LM-GROUP, the Ludden & Mennekes Entsorgungssysteme GmbH and its first-class press equipment for recyclable residual materials and waste essentially contributes to the reusable material cycle and thus to the preservation of natural resources.

## LUDDEN & MENNEKES. SOPHISTICATED TECHNOLOGY FOR AN EFFICIENT TRANSPORT.

LUDDEN & MENNEKES ENTSORGUNGS-SYSTEME GMBH (L&M) is an mechanical engineering company specialised in environmental technology. Since 1991, L&M has designed and implemented powerful systems for the disposal industry.

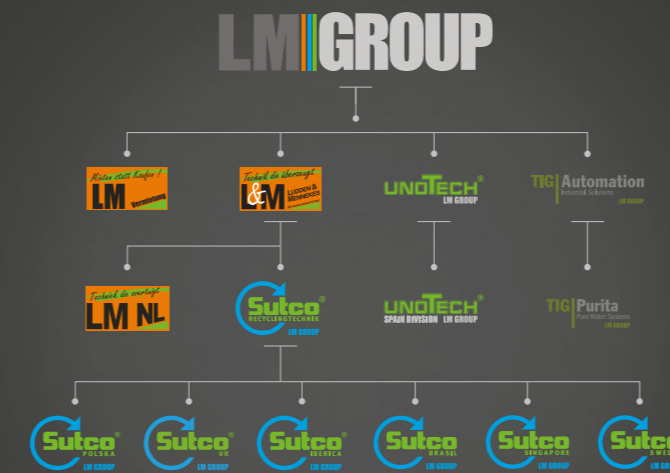
Today, the renowned expert in the field of compaction systems and transfer stations employs more than 180 employees at its two sites in the North German towns of Meppen and Dörpen. The product range includes mobile and station-

ary compactors, bin tipplers as well as special plants and their pertaining components. In addition of a large number of serial products, L&M can design and implement specific plant solutions for individual customer requirements.

From the planning and construction as well as the manufacture and installation, to the after-sales services, L&M can offer its customers an all-inclusive support over the entire project period.



CFO Dipl. Kfm. Werner Pöttker and CEO Dipl. Chem. Michael Ludden



## THE LM-GROUP. FOR THE PRESERVATION OF RESOURCES AND SUSTAINABILITY.

The LM-GROUP is a worldwide operating group of companies with more than 600 employees at 17 sites. Within a competency association composed of three renowned German mechanical engineering and plant engineering companies, the group can develop innovative overall concepts for more efficiency in the disposal industry.

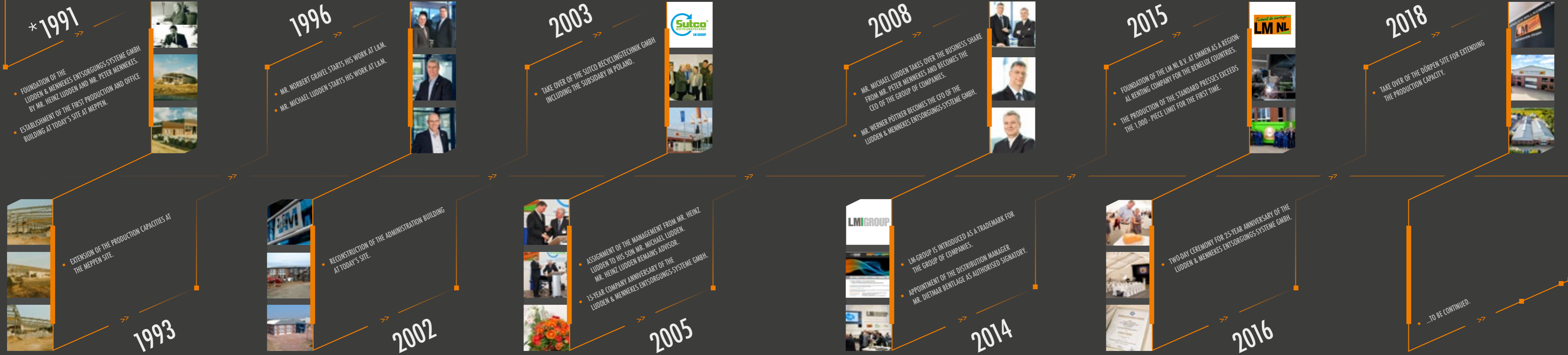
The **COLLECTING - SORTING - BALING** slogans describe the service range of the LM-GROUP whose proven concepts, sophisticated technical equipment and smooth-fitting interfaces essentially contribute to the circulation of recyclables and thus for the preservation of natural resources.

**LUDDEN & MENNEKES ENTSORGUNGS-SYSTEME GMBH**  
Press equipment for recyclable materials and valuable material

**SUTCO® RECYCLINGTECHNIK GMBH**  
Treatment and sorting systems for waste management

**UNOTECH® GMBH**  
Balers for compacting waste for long distance transport

**LUDDEN & MENNEKES.**  
 A PROVEN TRACK-RECORD.



## LUDDEN & MENNEKES. PORTABLE COMPACTORS [SPB].

Our portable compactors (SPB) are designed for compacting recoverable valuable materials, in particular including paper, cardboard and cartons. Plastic, industrial waste for recycling and waste for disposal are compacted. Other applications are household-like hospital waste and organic fractions.

Depending on the type of material and feeding, our systems can achieve a compaction of the filling weight of approx. 1:3 and higher, reducing the transport costs.

The accurate manufacture, the use of high-quality materials and a reliable technology ensure a safe function and a long service life.

### OUR STANDARD DELIVERY PROGRAM INCLUDES PORTABLE COMPACTORS WITH:

- Acceptance systems for roll-on and skip type trucks
- Horizontal, pendulum-piston or screw-type press system
- Container capacities from 8-26 cbm

In addition to our comprehensive equipment and accessory program, individual customer requirements can also be met to provide you with the perfect solution for your application.

### PORTABLE COMPACTORS FOR:

- Skip type trucks with a horizontal press system  
(AS / AS-G type series)
- Skip type trucks with a pendulum-piston press system  
(APK / APK-G type series)
- Roll-off trucks with a horizontal press system  
(L / GL, N / GN, R / GR type series)
- Roll-off trucks with a pendulum-piston press system  
(RPK / RPK-G type series)



LM 22 L + HKV

LM 10 AS-G

LM 20 GL

## SUCCESSFULLY USED IN THE WHOLE OF EUROPE. STATIONARY COMPACTORS / TRANSFER STATIONS.

We have the appropriate solution for coping with large volumes of recyclables. Stationary compactors for compacting and reloading recyclables and mixed waste such as:

- Paper, cardboard, cartons
- Plastic
- Industrial waste
- Bulky waste
- Green waste
- Household-like hospital waste

### OUR STANDARD DELIVERY PROGRAM INCLUDES STATIONARY COMPACTORS AND TRANSFER STATIONS WITH:

- Horizontal or screw-type press system
- 1.1 to 15 cbm per stroke
- 210 - 1,100 kN of press force

In addition to the design of different sizes and our comprehensive equipment and accessories range, we should like to meet your individual requirements to ensure the perfect solution for the intended use at any time.



MADE  
IN  
GERMANY



KBW 1593 + PC 6500



STV 1200 + PC 6500

## STANDARD OR CUSTOMISED.

### PRESS CONTAINERS [PC].

Our press containers (PC) are designed for accepting and transporting compacted residual material and recyclable raw materials.

OUR STANDARD DELIVERY PROGRAM INCLUDES PRESS CONTAINERS WITH:

- 6-34 cbm of container capacity
- Acceptance systems for roll-on and skip type trucks

In addition to an extensive equipment and accessories program, we can design containers for existing stationary compactors so that you can provide your plant with new customised press containers.




**MADE  
IN  
GERMANY**



PC 6500

## THE PERFECT SOLUTION FOR EVERY APPLICATION.

### BIN TIPPER [HKV].

Bin tipper (HKV) are used for emptying large waste containers (MBG) and special containers quickly and safely.

AS A STANDARD, WE CAN OFFER OUR BIN TIPPER OF THREE DIFFERENT DESIGNS FOR LIFTING FORCES FROM 4,000 TO 8,000 N:

- **PERMANENTLY ATTACHED MODEL:**  
The bin tipper is firmly connected to the filling opening of the machine at the front or side and is driven by its drive unit.
- **STATIONARY MODEL:**  
The bin tipper is firmly anchored to the ground in front of a portable compactor or a stationary compactor.
- **MOBILE MODEL:**  
The mobile bin tipper stands in front of a portable compactor or a stationary compactor.

We can offer our customers an extensive equipment and accessory program and additionally implement individual customer requirements. On request, our production department can adjust the bin tipper to your existing container types, so we can design and produce them for all containers.




**MADE  
IN  
GERMANY**



MOBILE BIN TIPPER

## ADVICE, PLANNING, IMPLEMENTATION.

### THE L&M SALES DEPARTMENT.

#### THE PROPER EQUIPMENT FOR EVERYONE.

Our experienced customer advisors can support you Germany-wide to ensure that you will find the perfect machine and equipment. The type of material and the site of application are two of the main criteria which our field service will analyse during a local visit and will consider in their advice on a suitable type of press.

Our employees are active Germany-wide, helping during measurements and providing technical information.

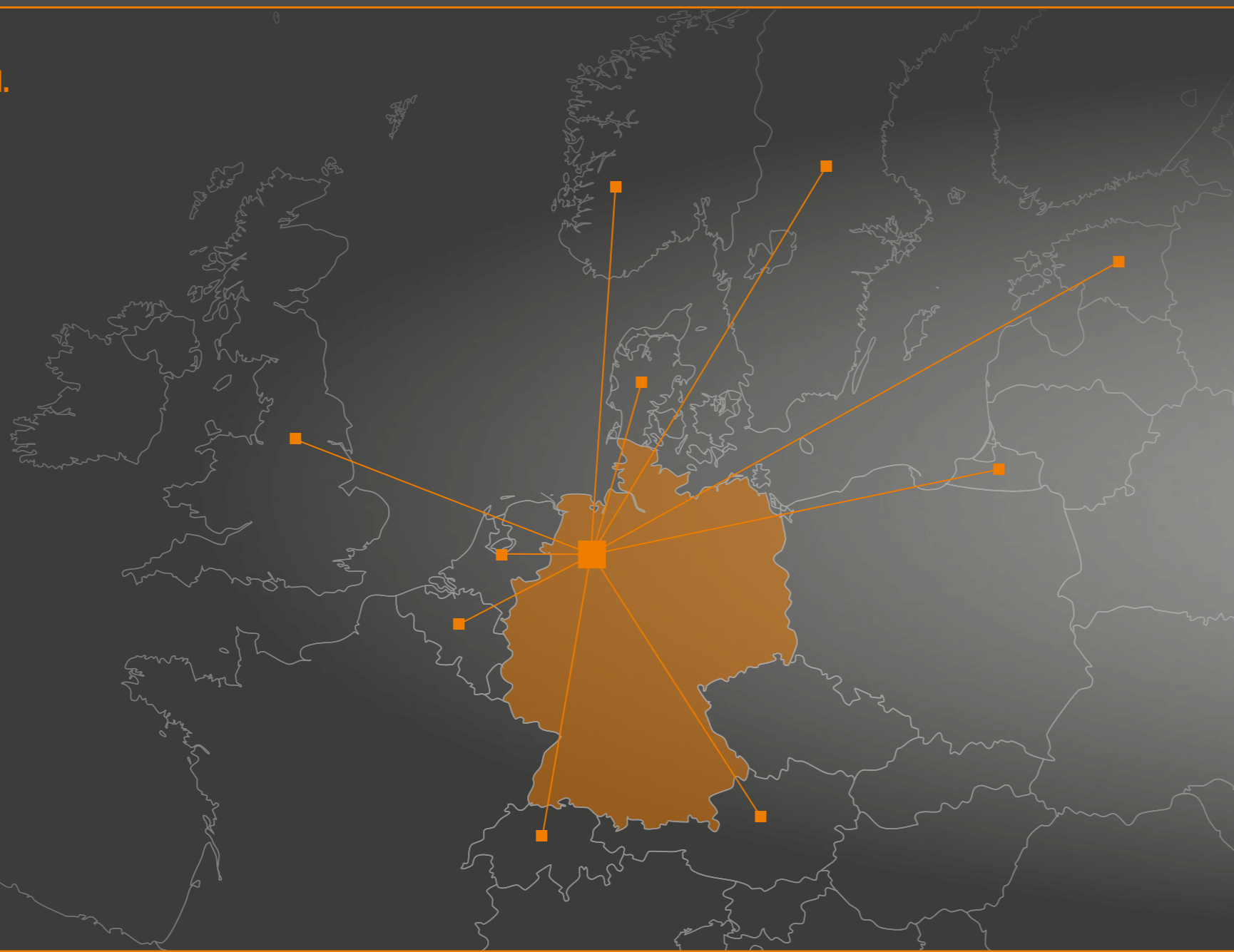
#### THE REPRESENTATIVES ABROAD.

Trained dealers, who can provide expert information in the language of their country and give advice to you, are available for our international customers in several European countries.

Thanks to its region-wide representatives, Ludden & Mennekes can provide a high degree of flexibility and quick response time for its customers domestic and abroad.

#### THE BACK OFFICE.

The sales back office can prepare individual offers according to the customer's requirement/specifications. The sales department can coordinate the customer-specific requirements from the planning process to delivery and is available as a competent contact.



**Central  
Sales phone number:  
+49 5932 72 15 0**



## RENTING INSTEAD OF BUYING. A WORTHWILE ALTERNATIVE.

### LM VERMIETUNGS GMBH & CO. KG.

In addition to the traditional purchase, we can offer our customers an opportunity to rent L&M systems through our LM VERMIETUNGS GMBH & CO. KG renting company.

#### YOUR RENTAL BENEFITS

- Variable contract terms
- Flexible renting conditions
- Low monthly surcharge
- Attractive service packages

The monthly rent for our individual "ALL-ROUND CAREFREE PACKAGES" include both the delivery and upcoming service, maintenance and repair work.

For our customers in the Benelux countries, in particular in the Netherlands, our Dutch company LM NL B.V. is responsible for renting to simplify the handling for our customers.



LM 20 GL



## OUR EXPERIENCE FOR YOUR SUCCESS.

### ALL-ROUND CAREFREE. L&M CUSTOMER SERVICE.

Benefit from our comprehensive service and secure highest efficiency and availability for you and your compaction system. Thanks to our committed employees, our nation-wide service network in Germany can provide best support at very short response times.

#### OUR SERVICES FOR RENTAL AND PURCHASING SYSTEMS

- Maintenance and repair work
- Accident prevention tests according to DGUV 114-010\*
- Service and product training
- Delivery and dispatch of spare parts and wearing parts
- Documentation of all tests for the prevention of accidents, maintenance and repair work\*

In addition to maintenance, repair and tests of all L&M products - systems for purchase and rental - we can offer our service for third-party products as well.

\* For all stationary and mobile compaction systems and for third-party products.



**SERVICE-HOTLINE**  
**+49 5932 7215 22**  
**service@ludden.de**

In case of a fault, our trained experts will quickly be in your premises and take care of a proper operation of your plant machinery.





CONTACT

**WE ARE THERE FOR YOU. ADDRESS US.**  
**YOUR CONTACT TO L&M.**



19/07 SDG 0D 200



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**LM HOLDING**  
**GMBH & CO. KG**



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**LM NL B.V.**  
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**FOR THE BENELUX COUNTRIES**



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