

# OmniDEL

## Low-Level Automatic Split Binlift

The OmniDEL represents Terberg's front-line low level automatic binlift solutions, offering robust build, safe operation and minimal maintenance synonymous with the Terberg brand. OmniDEL comes configured with additional efficiency saving and safety enhancing features providing the best available low level bin lift solution today;

■ **Reduced maintenance and increased durability**

Utilising vibration resistant IP69K automotive components, bearing protection systems and contact-less wear-free angle sensors the OmniDEL offers excellent resistance to high pressure, high temperature cleaning and is designed to cope with the harsh environment of modern bin collections.

■ **Complete spillage protection system**

The OmniDEL incorporates a unique sonar sensor anti-spillage system and tough extensions to the clamp and hopper plate to provide superb spillage reduction. The Sonar Sensor Anti-Spillage System detects material such as garden waste or refuse sacks that are not fully discharged & automatically shakes the 'offending' bin to fully discharge its load. The extended sections on the clamp and hopper plate overlap during bin discharge to providing full coverage of the bin lift workings and a platform along which any potential spillage can travel into the hopper.

■ **Designed with dynamic weighing and RFID in mind**

The OmniDEL is designed to allow the integration of weighing and identification systems with ease. Consequently, the OmniDEL has a smooth operation designed to minimise 'bin bounce' and a vertical initial lift providing a 'window' for ease of data recording.

■ **Lightweight design, heavyweight performance**

The OmniDEL bin lifts weighs in from as little as 595kg.

■ **'Plug and Play' wiring connections reduce downtime**

The OmniDEL electrical system is designed to reduce downtime during unlikely repair work. All connections are 'Plug and Play' making replacement of defective components and/or wiring simple and fast. Control boxes and components are easily accessible and the OmniDEL intelligent diagnosis system makes light work of pinpointing the root cause of system errors.

■ **Automatic Mode Changeover**

OmniDEL features automatic cycle mode changeover, offering ease of operation and safety. As trade containers are presented, the intelligent control system selects 'trade' mode and moves the container catcher bar to the correct position. Both chairs are levelled/raised to the optimum height and OmniDEL engages the container to allow a manually controlled lifting cycle.

■ **Single Point Greasing**

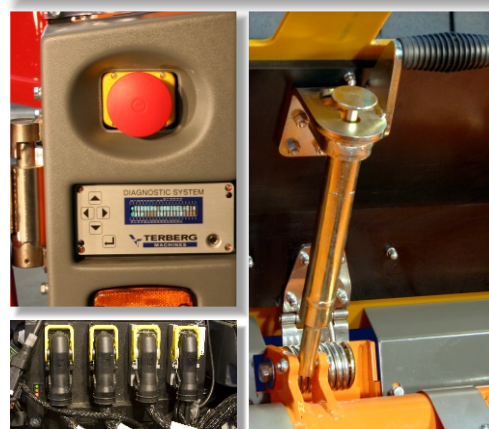
A single point feed greasing system fitted as standard means a significant reduction in the time required for maintenance. All grease lines are protected from damage and provide grease to all ten points. A grease monitoring option is available to ensure that all points receive grease within the specified intervals.

■ **Smooth, two stage soft lift**

The OmniDEL has a controlled two speed lifting cycle that offers a safe, smooth and reliable bin pick up that is gentle on bins and reduces mechanical stress on the bin lift system.

■ **Unique Terberg Geometry**

Terberg's unique bin lift geometry gives a container tip angle of 50° ensuring that 'sticky' materials are discharged and eliminates bin 'kick out' during lifting to reduce the likelihood of injury.

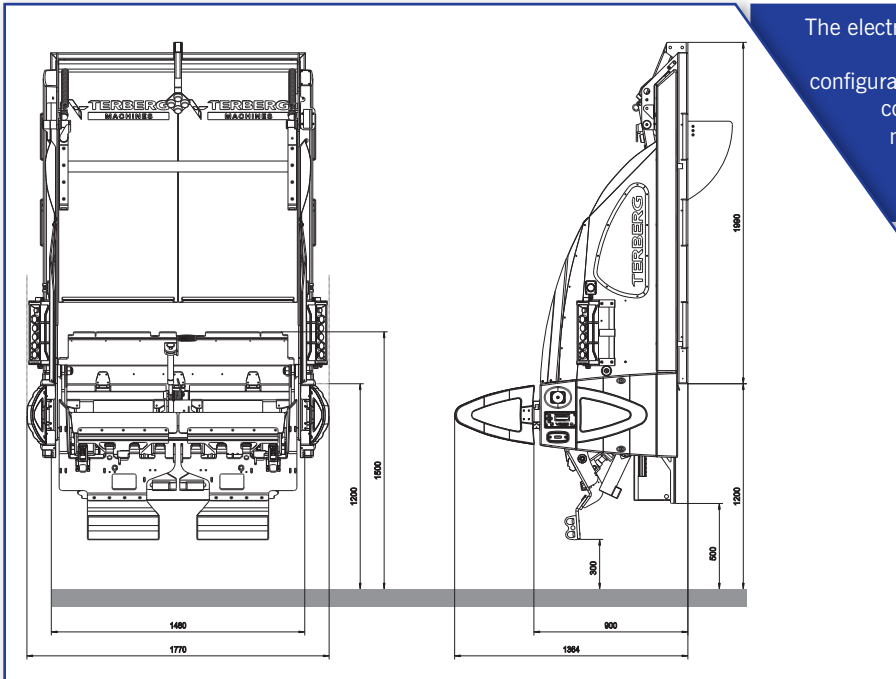


# OmniDEL

## technical specifications

●-standard ○-option ○-not available

Chair configuration >	Split twin chairs
Single Man Trade (SMT) >	●
Underwalk protection >	○
4-wheel container recognition >	●
Diagnostic display >	●
Sonar N1 Switch >	●
Mechanical N1 Switch >	○
Sonar Sensor Anti-Spillage System >	●
Terberg Weighing & RFID preparation >	○
EN840.1 containers (80-390 ltr.) >	●
EN840.2 containers (500-1200 ltr.) >	●
EN840.3 containers (770-1300 ltr.) >	●
Single point greasing system >	●
CleAN Open CANbus output >	○
Packer Cycle Delay Control (PCDC) >	○
Lifting capacity >	1000N (100kgs) split / 5000N (500kgs) linked
Weight >	595kgs
Power source >	hydraulic / electric
Electrical connections >	16-pin / 24v
Waterproof ratings >	proximity switches/sensors to IP68, 'Plug and Play' wiring to IP69K
Hydraulic connections >	quick release couplings (DIN 2353, NW13, NW20)
Hydraulic requirement >	ideal 40 ltr/min., maximum 60 ltr/min., 180 bar
Cycle time >	Auto > 2-wheel containers 6.0 secs (+dwell 0.5-1.5) / Manual > 12.0 secs
Noise level: >	<65db (A)
Safety >	CE machinery directive certification and EN 1501.1 (prEN 1501.5)
Painted finish >	Painted to customer specification



The electrical & hydraulic specifications listed above represent the most common configurations, however, certain chassis/body combinations may require these to be modified, Terberg engineering should always be consulted before any preparation work commences



www.terbergmatec.com

OmniDEL - Rev. 1 EN UK - Nov 2010



CE

Terberg Matec UK Ltd. reserve the right to change the specification or design of our equipment at any time without prior notification



Terberg Matec UK Ltd, Leacroft Road,  
Birchwood, Warrington, Cheshire, WA3 6PJ.  
Tel > +44 (0) 1925 283 915  
Fax > +44 (0) 1925 283 905  
E-mail: sales@terberg.co.uk



Terberg Machines B.V, Postbus 127,  
3400 AC IJsselstein (U), Holland.  
Tel > (31) 30 2100 600  
Fax > (31) 30 2100 610  
E-mail: info@terbergmachines.nl