

MASTEC® Bins Designed and Tested to Withstand Harsh Field Conditions

Since their introduction into the Australian marketplace some three years ago, MASTEC® MGBs (Mobile Garbage Bins) and components have earned an enviable reputation for quality and performance in the field - particularly in terms of their robust design and construction.

Not surprisingly, a key factor in MASTEC's performance in the field is Waste and Recycling Supplies (SA) Pty Ltd's commitment to strict quality control and, perhaps most importantly, on-going product testing.

Michael Brixton, Waste and Recycling Supplies' Managing Director, explained:

"From the outset, our primary focus has been on supplying high quality products that our customers can rely on. This is particularly important with products such as bins because of the 'down-stream effect' that occurs if there is a problem with the bin in the field - if something goes wrong with the bin, it affects both the service provider /council and the end-user / householder."

"With that in mind, we realised that product testing to 'real-world conditions' was of paramount importance. After all, we wanted to be absolutely sure that our bins are able to withstand even the harshest conditions," Michael Brixton added.

A privately-owned and operated Australian family business, Waste and Recycling Supplies (SA) Pty Ltd was established by the Brixton family some 15 years ago. Managing Director, Michael Brixton; his wife Shirley (Administration); and their son Adam (Logistics) all have extensive experience in the waste and recycling industry. This includes waste and paper collection vehicles, collection equipment, and distribution of MGB's to domestic residents, together with the manufacture and supply of 2-wheel and 4-wheel mobile bins of all sizes, as well as a range of supporting products (bags, bin

stands) to compliment these products. Waste and Recycling Supplies (WRS) started planning their entry into bin manufacturing in 2001, and following an extensive product design, planning and testing phase, released the first of the MASTEC® 240-Litre MGB's in 2002. This was followed by the MASTEC® 140-Litre MGB in 2004.

Representing a capital investment of over \$10 million dollars, the Company's new manufacturing operation, Maxiplas, opened in 2004. As well as boasting the latest in world-class manufacturing equipment, the Maxiplas facility it is supported by an array of expertise in the fields of plastics molding, toolmaking and engineering services.

Importantly, Maxiplas and its component suppliers utilise strict quality assurance

systems to monitor critical features such as wall thickness, colour, dimensions and appearance - a key factor in enabling Waste and Recycling Supplies (WRS) to provide a comprehensive 10-year product warranty.

Needless to say, this focus on quality has resulted in the Company's products and services being extremely well received in the marketplace - with over 500,000

MASTEC® MGB's already in use throughout in Australia and New Zealand.

Together with the strict manufacturing quality control guidelines relating to the quality and type of materials and components used, and the manufacturing process itself, another major aspect of Waste and Recycling Supplies' Quality Control Program is the 'physical bin-lift' performance testing program. As well as being tested for 'comb lift' systems and against the dimensional requirements of the European EN8401 Standard, all MASTEC® MGB designs have also been subjected to the rigorous PED:TC0010 *Bin Lift Cycle Test*

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Above: One of the MASTEC® bins undergoing a PED:TC0010 Bin Lift Cycle Test at MJE's Adelaide facility.

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developed by Macdonald Johnston Engineering Company Pty Ltd (MJE) using a 'grab lift' side-loader unit.

The PED:TC0010 test was developed by MJE to not only ensure that MGB's are compatible with their grab-arm system, but also as a method of testing the MGB's ability to withstand the rigors of field service. The test involves repeatedly subjecting an MGB, (which is pre-loaded to a specified weight) to the grab-arm lift cycle. The PED:TC0010 test provides a realistic indicator of an MGB's ability to cope with conditions in the field when emptied using a grab-arm type side lift collection system.

The PED:TC0010 Bin Lift Cycle Test was first conducted on the MASTEC® 240-Litre MGB, which was loaded to a weight of 75kgs throughout the test process. The MASTEC® 240-Litre passed the test without any structural or functional defects. Even after 10 years of simulated lift activity under load, the bin only showed minimal signs of wear and tear. The MASTEC® 140-Litre MGB was also subjected to the PED:TC0010 Bin Lift Cycle Test, with a



Above: The PED:TC0010 Bin Lift Cycle Test was first conducted on the MASTEC® 240-Litre MGB, which was loaded to a weight of 75kgs and then subjected to an equivalent of over 10 years of simulated lift activity with a 'grab-arm' side lift collection system.

total of 65kgs of weight loaded into the bin. As with its 240-Litre counterpart, the MASTEC® 140-Litre MGB passed the test with 'flying colours' in terms of appearance, condition and performance.

MASTEC® 140-Litre and 240-Litres MGB's are available in a wide range of stock colours, with specific colours available on request. Waste and Recycling Supplies also offer

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MASTEC® BUILT TO LAST



Moulded in the highest quality UV-Stabilised HDPE, Australian-Made MASTEC® 240-litre bins are built tough to withstand even the harshest conditions. Their robust high-performance design incorporates a range of practical features, including:

- Extra supports and webbing on rear full-width handle for greater strength
- Heavy-duty cadmium plated axle
- Reduced lateral wheel movement for greater manoeuvrability
- Provision for both north-south and east-west dividers, with either 70/30, 60/40 or 50/50 split
- Blowhole tab for auto-opening systems
- Bins and lids available in a wide range of colours
- Hot-stamping of business name, logos or crest and sequential serial numbering
- 10-year manufacturing warranty

Used by numerous councils and contractors throughout Australia, MASTEC® bins and lids deliver the long-term performance that you need. For more information please visit our Website: www.wasterecycling.com.au

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numerous hot stamping options for logos, special messages and sequential serial numbers, allowing all products to be customised to meet specific customer needs. Waste and Recycling Supplies ship product to all parts of Australia using its extensive freight network - including road and road/rail services - and can deliver both small and large quantities on time, to any location.

For further information, please contact Waste and Recycling Supplies (SA) Pty Ltd, Phone: (08) 8447 2500, Fax: (08) 8447 2032 or email: info@wasterecycling.com.au quoting "Waste Disposal and Water Management in Australia".

MASTEC®

JUST RIGHT!



The new MASTEC® 140-litre bin delivers the ideal combination of size and capacity. Specifically developed to overcome the issues that can be associated with lifting both large and small bins with the one vehicle, the new MASTEC® 140-litre bin has been designed to help optimise grab arm settings – enabling one vehicle to collect both large and small bins without any problems.

- High quality UV-Stabilised HDPE construction
- Extra supports and webbing on rear full-width handle for greater strength
- Heavy-duty cadmium plated axle
- Reduced lateral wheel movement for greater manoeuvrability
- Blowhole tab for auto-opening systems
- Bins and lids available in a wide range of colours
- Hot-stamping of business name, logos or crest and sequential serial numbering
- 10-year manufacturing warranty

As with all MASTEC® bins and lids, the new 140-litre bins are built tough to withstand even the harshest conditions – ensuring that you get the long-term performance that you need. Visit Our Website: www.wasterecycling.com.au

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