World class quality, unbeatable value

www.lgpm.com.au
12 Keith Campbell Crt
Scoresby, VIC. 3179
Australia.
Tel: +61 (03) 9702 4855
Fax: +61 (03) 9702 4865
E-Mail: info@lgpm.com.au
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LGPM Process Innovation, The Bulk Handling Specialists
Backed by over 30 years of experience and more than 15 million m³ of storage built worldwide.

The constant investment in technology has achieved total automation, resulting in the highest quality standards.

Our products are renowned for their quality, durability and ease of assembly. Silos are manufactured in corrugated galvanised steel, for longevity and strength.

All steel used is certified and of European origin.

References in more than 120 countries
With more than 8,000 tons of galvanised steel in stock, we have the ability to deliver on time, every time.

The manufacturer has constantly invested in R & D. This innovating work is developed in conjunction with clients and suppliers, thereby improving our products and services and thus giving better value and efficiency to our customers.
Quality Commitment

We have a growing line of accessories and options allowing us to offer a product that completely meets your needs. Our commitment to quality is not limited only to the product; but to technical and commercial service.

Our products are recognized worldwide for their strength, durability, reliability and ease of assembly. All silos are made from corrugated steel with a huge 600 g/m² of galvanised coating, ensuring at least double the service life of other silo manufacturers.

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The various quality control measures that the materials are subjected to in all phases of the manufacturing process allows us to deliver a high quality product. All machines in the production processes are CNC, "Computer Numerical Control", and ensure that a high quality, precision product is produced.
The versatility of our products makes them suitable for a wide range of industries such as breweries, grain terminal, animal feed, port facilities, flour mills, ethanol, drying, and storage of raw materials for the plastic industry and biofuels.

The growing product line allows us to offer a storage system that fully meets the needs of our customers. Silos range in sizes from 5 m³ to 25,000 m³ capacity.

- **Flat Bottom Silos** (or with Conical Concrete Foundation) for long term storage of large quantities of grain, seeds...
- **Silos with Steel Hopper, with 45°, 60° or 66° degrees** depending on the product stored. Discharge by gravity.
- **Hopper Silos for Elevated Structure**, unloading into truck or train.
- **Small capacity Silos** used for farming.
• 30° degree roof optimizes storing capacity.

• Roof is composed of trapezoidal sections of a special configuration to allow a better sealing and waterproofing.

• Roof is designed with special geometry and longitudinal folds ensuring a high strength and stiffness is achieved.

• Manufactured in structural steel with special galvanised coating giving the highest resistance to corrosion (Magnelis, 3.5% aluminum, 3% magnesium)
Bodysheets

- Are manufactured from structural steel S 350 GD Z600.
- Our modern machinery guarantees perfect shaping of the bodysheets, avoiding assembling difficulties.
- Silo bodysheets are rolled with a 76mm pitch by 14 mm deep corrugation which optimises the flow of grain as well as increasing silo strength.
Legs and bracing are all galvanised. These are designed to suit the relevant seismic and wind zone.

Hopper made of structural steel, S 350 GD – Z600. Available in 45°, 60° or 66° angle, selected to suit the material stored.

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BUTTYL RUBBER COMPOUND

Supplied preformed to ensure optimal sealing.

BOLTING

Located in the second ring.

Allows for visual inspection and access to the inside of the silo.

Increase strength to resist wind forces and prevent silo deformation.

Located in the second ring.
Ladders with safety ring, rest platforms, handrails and non-slip steps. Manufactured in accordance with all current safety regulations (AS 1657-2013, UNE EN ISO 14122-1/2/3/4: 2002).

Galvanising increases the service life of all components.
Consists of the following elements:

- Circular design prevents the accumulation of water, debris and reduces air resistance.
- Embossed to allow a perfect sealing with the roof profile.
- Anti-bird mesh.
- Includes a special sealing system for fumigation.
- Aeration vent is supplied ready to install with exhaust fan coil.

Aeration channels

- Designed to cover 12.5% of the total area of the base of the silo.
- They are made up of foundation channels that are covered with special galvanized boxes, corrugated and multi-perforated holes of 1 or 1.5 mm diameter. These channels can have a “Y” or “H” shape depending on the volume of stored product.

Fully perforated floor

- Perforations of 1 or 1.5 mm diameter, depending on the stored grain.
- The total perforated area is 23%, unlike other manufacturers who only offer up to 12%.
- The brackets are made of galvanized steel which allows a perfect and complete airflow.

We offer 3 types of temperature control systems: Manual, Auto (connected to a computer) and Portable (connected to a PDA).

Robust analogue sensors are offered, ensuring uninterrupted operation. Designed as a passive system which requires no maintenance.

The probes are supported on two beams reducing roof load. The probes can be replaced without emptying the silo.

Can empty the silo down to 70% of the capacity resulting in greatly reducing wear and tear on conveying equipment thus reducing maintenance and energy.

This system can be installed when storing thin and fragile grain which is susceptible to breakage when falling from height.

Reinforcement on the silo structure.

Can be used constantly or occasionally. We offer two models: S and SCD.
Can be supplied as a rotating paddle or membrane type.

Full perimeter handrail to increase operator safety.

Customised seal profile made of high density foam is installed between the silo cylinder and roof. This guarantees the silo is waterproof.

30° degree ventilated cone. This system prevents contact between the ground and grain. Makes civil works cheaper and allows grain to discharge directly into the conveyor which is installed on the ground level. Reduces the cost of a sweep auger by allowing gravity discharge of the grain.
CATWALKS AND SUPPORTS

- Designed according to site requirements.
- Wide range of widths
- Standard perforated floor or gridmesh.
- To AS 1657-2013 standards

INNER FLAT SHEETS

Available with inner flat wall sheets if required

SILO PROTECTION

The outer lining adds extra protection against corrosion thanks to the double layer polyester pre-lacquered steel (600 HNCS). It also minimises the visual and environmental impact and provides extra insulation by creating an air gap between the two sheets of steel.