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INDUSTRIALPLASTICS.COM.AU





CONTENTS

Tanks

3

Cylindrical Storage Tanks	4
Rectangular Storage Tanks	5
Insulated Glycol Tanks	6
Self-Bunded Tanks.....	7
Dual-Walled Sodium Hypochlorite Tanks	8

Custom Fabrication - Industrial

9

Lamella Clarifiers	10
Scrubbers	11
Aeration Towers	12
Underpans, Chutes and Launderers	13
HDPE Wash Box	14
IBC Bunds	15

Custom Fabrication - Commercial

16

Machine Guarding Shields and Covers	17
Protective Screens and Shields	18
Aftermarket Parts	19

Pipework

20

Piping	21
--------------	----

Plastic Sheets

22

Plastic Sheets	23
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A large, dark-colored industrial tank is being transported on a flatbed trailer. The tank is cylindrical and has several large, circular, clear protective covers over its ends. It is secured with straps and is being moved by a truck. The background is a clear blue sky.

TANKS

CYLINDRICAL STORAGE TANKS



Industrial Plastics' range of cylindrical storage tanks are vast and we offer custom specifications and features to suit your needs.



Industrial Plastics specialise in creating commercial and industrial tanks. Our team have been designing and fabricating quality tanks for over 50 years. We manufacture a wide variety of HDPE cylindrical storage tanks and custom build to your size and thickness specifications with an large range of features to best suit your application. If you are in the market for a cylindrical tank, talk to our experienced sales team to find out more.

Applications

- Water Storage
- Chemical Storage
- Fuel Storage
- Oil Storage and Separation
- Mining
- Food Industry

RECTANGULAR STORAGE TANKS



Where size and volume are both a premium, rectangular tanks can offer the best of both worlds.



Limitations on storage area is a constraint for almost any business. This is where a square or rectangle-shaped tank can be the ideal solution. Rectangle storage tanks are particularly useful for indoor installations where space can come at a premium and a rounded design and footprint creates un-usable areas. All Industrial Plastics tanks are custom built using advanced butt-fusion welding technology, meaning we can make your storage idea come to life. Send an inquiry to our experienced sales team to get started on receiving your own rectangular storage tank.

Applications

- Mining
- Agriculture
- Fuel Storage
- Waste Water Treatment
- Water Storage
- Chemical Storage
- Flow Batteries and Electricity

INSULATED GLYCOL AND CHILLED STORAGE TANKS



We design and fabricate Insulated Glycol tanks to our customers in a variety of industries for their heating and cooling systems.



Our Insulated Glycol and Chilled Water Storage Tanks are made to DVS2205 and BS/ EN12573 standards, insulated with PE 30, and have a service life of 25 years. The energy-efficient insulated glycol storage tanks are used a variety of industries and establishments throughout Australia. Capacities range from 500 Litres to 45 kilolitres and the insulation material, when paired with cladding, will prevent heat loss or gain, allowing liquid to be stored at a steady temperature while consuming less energy.

Applications

- Dairy and Meat
- Food and Beverage
- Cosmetic and Oral Hygiene Products
- Breweries and Distilleries
- Cold Storage Facilities
- Pharmaceutical
- Chemical Plants
- Polymer Manufacturing

SELF-BUNDED TANKS



When your business requires a storage tank to hold hazardous contents, the team at Industrial Plastics are the right people for the job.



A self-bunded tank is a fuel storage tank that has an inner and outer tank with a gap in between. The bunding captures any leakage that may occur from the first tank to ensure the hazardous chemicals are contained. Put simply, it is a tank within a tank and very similar to an IBC Bund but on a much larger scale. These types of tanks are common in any process that requires hazardous materials.

Applications

The storage of:

- Fuel
- Diesel
- Petroleum
- Petrochemical
- Oil
- Waste Oil

DUAL-WALLED SODIUM HYPOCHLORITE TANKS



Industrial Plastics has the capability to fabricate a dual walled tank for sodium hypochlorite storage (bleach) solution.



We fabricate dual walled sodium hypochlorite tanks with a design life of 25 years. The twin wall design provides extra safety in the event of a tank failure, which prevents the release of bulk hazardous material. This feature makes it one of the safest options on the market while also increasing its design life. Industrial Plastics use HDPE because of its resistance to chemical corrosion, which is required when storing bleach.

Applications

- Sodium Hypochlorite (Bleach) Storage
- Hazardous/Dangerous Chemical Storage

A large, custom-fabricated industrial vessel, possibly a reactor or storage tank, is shown in a workshop setting. The vessel has a conical top with two large circular flanges and a cylindrical body with several vertical support ribs. It is mounted on a heavy base. The background shows a workshop with various tools, equipment, and a fire extinguisher.

CUSTOM FABRICATION - INDUSTRIAL

LAMELLA CLARIFIERS



Industrial Plastics offer a comprehensive package of lamella clarifiers for water treatment applications.



We offer standard and custom designs for lamella clarifiers. The product removes solid particles from liquids for clarification. Due to our use of HDPE, our lamella clarifiers are corrosion resistant, lightweight and cheaper than steel alternatives. This approach provides extra benefits such as design flexibility while maintaining the same structural strength as a steel design. Our engineers and fabricators can assist in the redesign of the steel clarifiers to be suited for plastic fabrication. We are also working on a design with removable lamellar plates that will drastically minimise the cost of maintenance and cleaning.

Applications

- Ground Water Treatment
- Industrial Process Water Treatment
- Municipal Water Treatment Systems
- Scrubbing Applications
- Raw Ore Refinement

SCRUBBERS

Industrial Plastics manufacture custom wet and dry scrubbers that reduce dust and emissions. Our HDPE scrubbers not only reduce your environmental impact but also increase revenue by selling the byproduct created.



A scrubber is a pollution control device that reduces harmful chemicals such as CO₂ and sulfur dioxide being released into the atmosphere. Testing shows that scrubbers remove 98% of sulfur and 90% of CO₂, and Australian and State Government legislation require scrubbers in many industrial applications to meet environmental regulations. Scrubbers are also popular because the marketable byproducts created. The sale of end products of scrubbing can offset the cost of installing scrubbers.

There are two types of scrubbers, wet scrubbers and dry scrubbers. Wet scrubbers use water or other chemical liquids to remove harmful pollutants from the emissions, while dry scrubbers use chemical solids in powder form.

Applications

- Fume Scrubbing
- Air Purification Systems
- Pharmaceuticals
- Manufacturing and Processing Activities
- Chemical Plants
- Pulp and Paper Manufacturing
- Steel and Metal Finishing
- Fertilizer Processing
- Cafe and Bakeries

AERATION TOWERS



Industrial Plastics manufacture large scale aeration towers for water treatment facilities. Our HDPE aeration towers are the first of its kind in Australia.



Aeration towers are complex fabrications that add oxygen into wastewater so the material or 'slurry' inside can degrade effectively. The products are mainly used in mining or water treatment facilities. Industrial Plastics use HDPE because it requires little maintenance and is corrosion/oxidisation resistant, which is an important factor in a water treatment facility.

Applications

- Water Treatment Facilities
- Mining Applications

UNDERPANS, CHUTES AND LAUNDERS



We fabricate high quality chutes, underpans and launders for the mining industry.



Launders are plastic holding containers used predominately within the mining industry. The containers move effluent, slurry or other chemical products from one point to another. Chutes are plastic channels that also move slurries and materials but is instead transported from one elevation to another. Both chutes and launders are both fabricated with HDPE plastic and have high abrasion qualities. Launders are most common as it is a more efficient alternative to piping in mineral processing equipment, where chemicals and materials inhibit the use of pipework. We fabricate with HDPE and support the structure with steel frames and encasings.

Applications

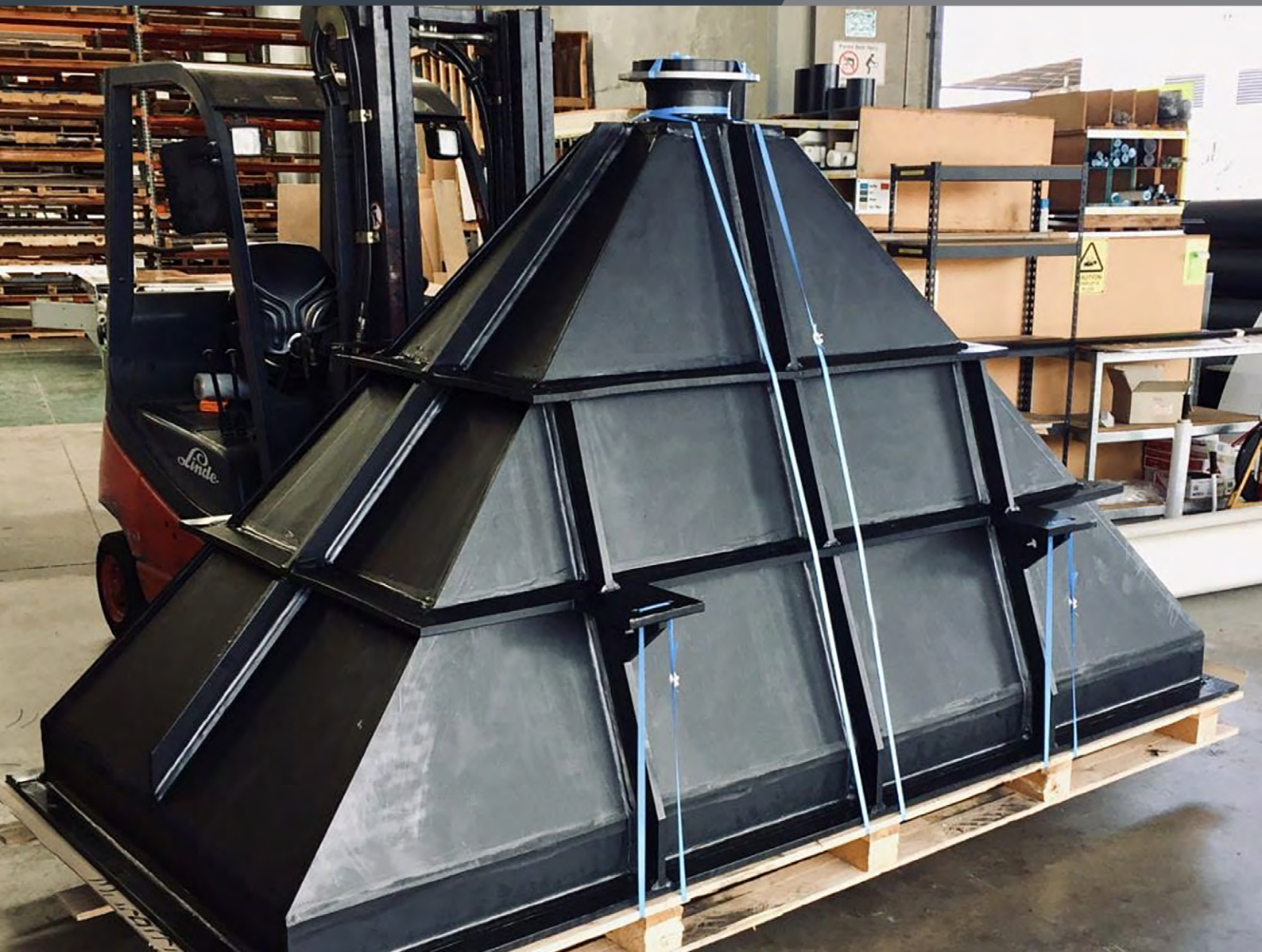
Launders have specialised applications for the mining and resources industry. They include:

- Slurry Containment and Transport
- Chemical Product Containment and Transport
- Water Containment and Transport
- Powdered Ore Containment and Transport
- Pulp Containment and Transport

HDPE WASH BOX



Industrial Plastics supply custom HDPE washbox funnels that cater to a wide variety of requirements at very competitive prices.



Industrial Plastics can process the design and fabrication of HDPE washbox funnels for sophisticated projects primarily in the mining and resources sector. Similarly, we also supply a variety of prod ribs, flange, galvanised backing rings and EPDM gaskets. Our sales team will engage with customers about their product specifications to create a successful product to be delivered anywhere in Australia.

Applications

- Mining
- Energy and Resources
- Water Treatment Facilities
- Food Processing

IBC BUNDS



Our custom IBC Bunds are extremely durable and versatile. The bunds are used in different industries to store or capture toxic chemicals safely.



IBC Bunds are spill containment devices that safely store the bunds leaked chemical content. IBC's (Intermediate Bulk Containers) are containers filled with chemicals required in different manufacturing processes. Our IBC Bund systems work by creating a secondary containment system around the IBC to capture any spilled liquids. This allows for a safe and easy clean up process that protects people and property from injury. By forming a containment basin around the IBC, any spilled chemicals will be contained and can be easily pumped from the tap on the bottom of the basin.

Applications

- Hazardous Spill Containment
- Chemical Storage (Indoor and Outdoor)
- Protection For Staff and Machinery
- Australian OHS Requirement



CUSTOM FABRICATION - COMMERCIAL

MACHINE GUARDS AND COVERS



Industrial Plastics can fabricate complex, custom plastic machine guards.



Plastic machine guards are one of our specialties. We can fabricate many designs for a large range of industrial machinery - whether it is a replacement of a hard-to-get spare or an entirely new design. We recognize the importance these guards play in reducing workplace risks and improving safety. This is why we use advanced technology for our design and fabrication stages. Our engineers, drafters, and fabricators will ensure that the guards we design meet workplace health and safety legislation as well as Australian design standard - AS 4024 safety of machinery.

Applications

- Mining
- Large Machines
- 2nd Hand Machines
- Aftermarket Parts

PROTECTIVE SCREENS AND SHIELDS



Industrial Plastics has a variety of different protective screens and shields for all purposes.



Promoting workplace health has never been more important. Our protective screens are an effective way to maintain social distancing, ensuring businesses comply with new rules and clients are kept safe. We understand that every industry has a, specific requirement in terms of dimensions, shape and other specs, so our sales team works with you to get the. right product. We use a variety of fabrication techniques (CNC Routing, Beam Saws, line bending, hot air welding) meaning we produce high volume orders to meet urgent requirements.

Applications

- Medical Practices and Hospitals
- Supermarkets and Pharmacies
- Convenience and Grocery Stores
- Reception Counters and Office Desks
- Sales Counters and Kiosks
- Cafe and Bakeries
- Clubs and Bars

AFTERMARKET PARTS



We supply standard replacement parts for popular brands such as Hussmann, Kysor Warren, Heatcraft, Baine Marie, Mc Alpine and Austral.



Industrial Plastics offer custom fabricated solutions for both one off products and continuous lines. For example, we work closely with retail and supermarkets, replacing and creating custom parts for fridges, displays and cases. We provide plastic solutions to any replacement parts made from glass, composites, engineering grade plastics or any other typical materials that plastics can substitute. See our [Aftermarket Plastic Parts Catalogue](#) on the Industrial Plastics website.

Applications

- Aftermarket Refrigeration Parts
- Guards and Barriers
- Dividers
- Sliding Doors and Lids
- Deli Cases
- Chopping Boards

A photograph of an industrial piping system, likely a heat exchanger or a large-scale fluid transport system. The image shows several large, dark-colored pipes running parallel to each other, supported by metal brackets. The pipes are connected by large, circular flanges with multiple bolts. The background is a light-colored, possibly concrete, floor. The overall image has a dark, moody tone with a blue square overlay on the left side.

PIPEWORK

PIPING

Industrial Plastics service all fabricated pipework systems requirements for a variety of industries.



All of our pipework is fabricated to DVS 2007 and ISO 9001: 2015 standards to maximise product performance and ensure that our products exceed our market leading quality guarantee. All pipework is rigorously tested using various methods including pressure testing, spark testing and hydro testing before delivery to site. We have in house pressure and hydrostatic testing capabilities as well as MDR's, all certified to ISO 9001:2015.

Common jobs include:

- Pipe spools and sets
- HDPE piping fitting fabrication and HDPE junctions
- Fitting and bolt assemblies (short and long spigot elbows, galvanised backing rings, stub flanges, PP coated backing rings, gaskets, tees)
- Pipe support hangers
- Air intake and wash water assembly
- Bended and moulded pipe

Materials

- HDPE Piping
- High Pressure PE Pipe
- PVC Piping

Applications

- Plumbing
- Energy and Resources
- Water Treatment
- Mining



PLASTIC SHEETS

PLASTIC SHEETS



Industrial Plastics supplies a wide range of wholesale plastic sheets for your business.



With a variety of acrylic colour samples to choose from and a wide selection of plastic sheet, you will find all of the plastic materials and cut-to-size services you need when you work with us.

- Acrylic, with options including clear, tint, opal and varied colours
- Specialist Acrylic sheeting e.g. Prismatic Diffuser K12, K15 | Mirrored | Egg Crate
- Polycarbonate – clear, tint and opal
- Twin Wall Polypropylene – corflute
- High-Density Polyethylene PE 100 – natural and black
- High Impact Polystyrene – white and black
- PVC – grey, white and clear
- Flexible PVC – clear
- Polypropylene – beige and natural (homopolymer)

Applications

- Illuminated signage
- Wall features
- Packaging
- Displays
- Furnishings
- Kitchen back splash
- Home improvement
- Home decor



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