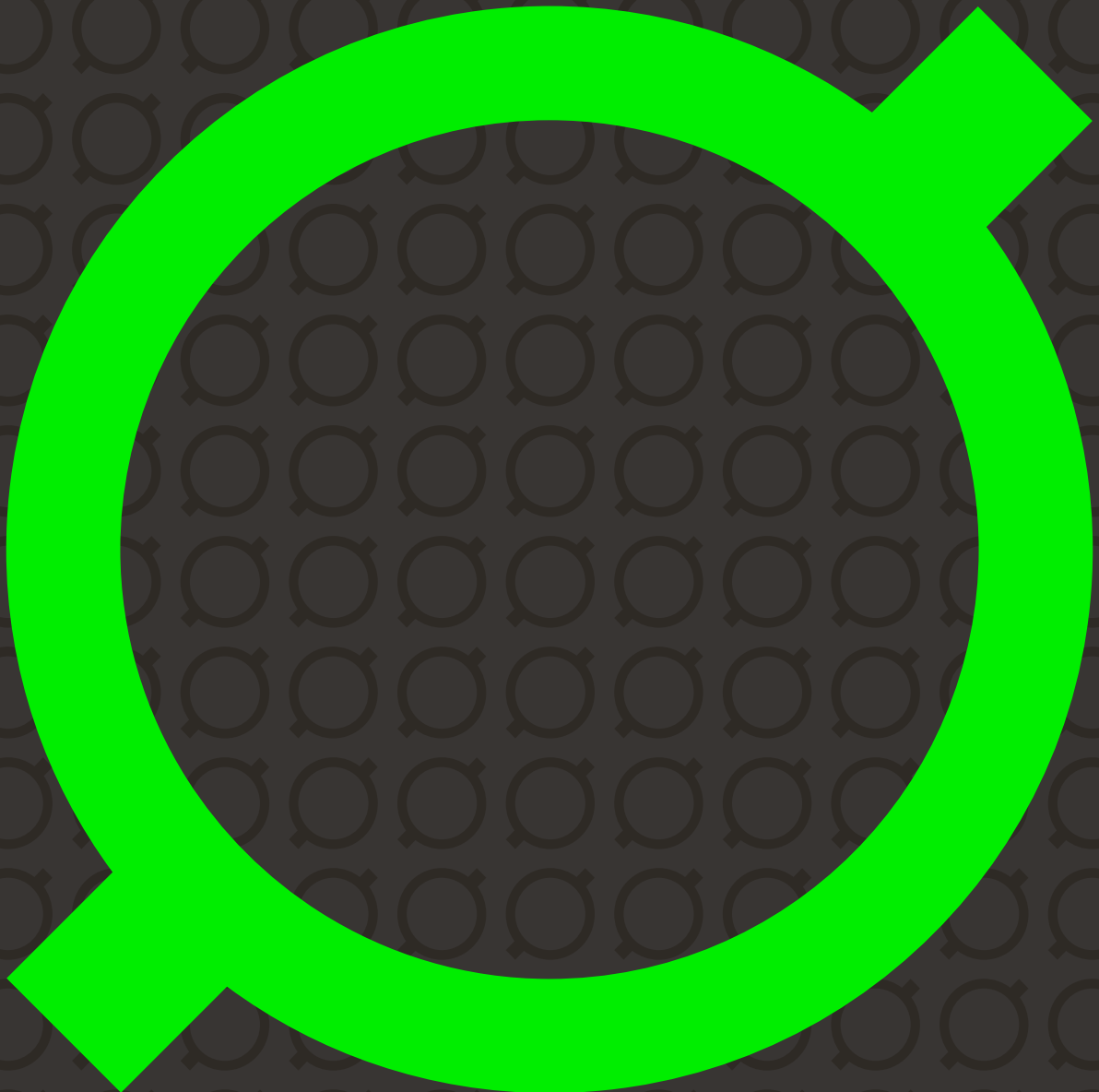




**Global  
Pumps**

## Company Profile







## About us

**Global Pumps (formerly All Pumps Supplies) was founded in 1977 meeting the need for a versatile and service orientated specialist pump supplier. We accurately assess each application and source the best possible solution without being limited to the range of any particular manufacturer.**

Global Pumps has expanded its facilities and services and is now firmly established as a key supplier to the mining, chemical processing, industrial and food processing sectors, offering a comprehensive range of pumping equipment.

Global Pumps has established a track record for fast and effective responses to enquiries, reliable deliveries, competitive prices and efficient after-sales service.

### **Our facilities**

Our facilities incorporate a large, modern warehouse stocked with an extensive range of pumps, spares and accessories. In addition, we have a fully equipped service and fabrication workshop, complete with gantry crane and dedicated pump test bay.

### **Our service**

We offer a technical service division with qualified personnel and fully equipped site service vehicles, which have the capacity to handle complete turn-key projects including mechanical and electrical installations, total refurbishments, site repairs and maintenance programs.

### **Our quality**

We are committed to quality and customer satisfaction, resulting in successful accreditation of our quality assurance system to ISO9001:2008.





### Verderflex peristaltic hose pumps

Peristaltic pumps for concentrated slurry.

For the very best in peristaltic pump technology with a wide range of spares available in Australia, Verderflex offers the largest hose pump range in the world with over 20 pump sizes. Optional non-metallic flange connections available for pumping aggressive and corrosive liquids.

#### Features

- flows up to 150 m<sup>3</sup>/hr
- pressures to 16 bar
- long-life hose technology
- tough mechanical seal gearbox protection
- low power and low pulsation designs
- no valves or seals in the process liquid
- pump slurries up to 80% solids
- large stocks available in Australia



### Techniflo magnetic drive pumps

Techniflo centrifugal non-metallic, pumps for corrosive and aggressive chemicals.

Heavy duty construction and hermetically sealed make these units ideal for pumping any corrosive or hazardous chemical with the ability to pump contaminated liquids or solids.

#### Features

- non-metallic wetted parts
- long or close-coupled pumps
- flows up to 340 m<sup>3</sup>/hr, heads to 152 m
- pressures to 20.6 bar
- temperatures range from -70°C to 121°C
- dry run protection available
- over 50 pump sizes, stocked in Australia



### Verderair air-operated diaphragm pumps

Highly engineered range of double diaphragm pumps delivering a consistent, reliable flow for all circumstances.

Thanks to their unique design, Verderair air-operated diaphragm pumps are able to handle very abrasive and/or viscous products.

#### Features

- self-priming
- can run dry without damage
- unique lube-free, anti-stall air valve
- flows up to 1,000 L/m
- 3A, FDA and EHEDG approved designs available
- available in many different materials
- high pressure unit available
- hazardous rated
- 5 year warranty



### SlurryPro centrifugal slurry pumps

SlurryPro rubber and metal lined centrifugal pumps, ideal for moving abrasive liquids and slurries.

Complete range of horizontal and vertical column pumps available in many configurations, featuring radial split casings allowing quick changing of replaceable liners.

#### Features

- removable cartridge-type bearing assembly
- flows up to 5,000 L/s
- heads up to 100 m
- range of different sealing systems
- low maintenance costs
- interchangeable wearing parts with the majority of other slurry pump brands



### Netzsch/Roto helical rotor pumps

Progressive cavity pumps designed to last.

Complete range of helical rotor pumps, from dewatering/sludge pumping applications to gentle food and beverage transfer. High quality materials together with 24 month universal joint warranty makes this range a stand out.

#### Features

- flows up to 200 m<sup>3</sup>/hr
- Cardan universal joint design versions
- available in a range of special materials
- pressures to 72 bar
- close-coupled and bare shaft versions
- low shear – ideal for polymers
- able to handle up to 1,000,000 cps



### Techniflo drum pumps

Techniflo drum and container pumps for safe and easy liquid decanting.

Drum emptying pumps to suit a wide variety of chemicals and drum sizes. Available with a range of accessories including flow meters and dispensing nozzles.

#### Features

- metallic and non-metallic versions
- flows up to 200 L/min
- universal electric or pneumatic drive motors
- lightweight and safe
- electric units have low voltage release switches
- EX-rated motor option



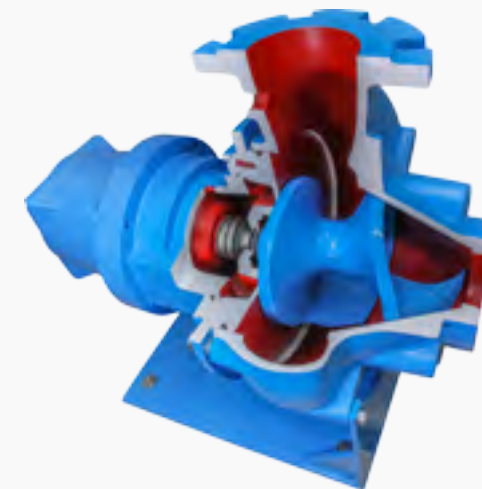
### ProMinent metering and instrumentation

State-of-the-art diaphragm metering pumps for high accuracy chemical dosing in all industries. Suitable for pH, ORP and chlorine dosing measurement and control.

Complete package and treatment systems, including control instrumentation, available.

#### Features

- chemically inert materials
- adjustable stroking rates
- manual or external electronic control, including analogue and SCADA versions, also available



### VerderHUS screw centrifugal

Verderhus screw centrifugal pumps combine the features of centrifugal and positive displacement pumps. The open impeller allows large solids to be easily pumped, whilst the screw design is ideal for high solid contents or viscous liquids and produces a high efficiency, low NPSHr pump, lowering both energy use and ownership costs.

316 stainless steel, cast iron and other material options and pump variants available.

#### Applications

- mining
- chemical processing
- industrial processing
- food and beverage



### Affetti non-metallic chemical process

#### Features

- non-metallic lined centrifugal pumps
- range of chemical resistant materials including PP, PEHD, PVC, PVDF, PTFE and fibreglass resin
- flows up to 2000 m<sup>3</sup>/hr
- heads up to 120 m
- conforms to DIN/EN 22858 - ISO 2858 and ASME/ANSI B73.1M

#### Applications

- aggressive and corrosive liquids
- aliphatic or aromatic solvents
- strong chemicals
- sea water



### Global centrifugal

The Global Pumps DN Series End Suction Centrifugal range is a back-pullout, single stage design available in long-coupled electric or engine drive, or close-coupled electric configuration.

#### Features

- standard DIN 24255
- mechanical seal
- back pull-out design
- maximum operating pressure is 1600 kPa
- temperature range of -10°C to 120°C



### Sulzer submersible – electric driven

Extensive range of submersible pumps from light industrial to heavy duty requirements.

Ideal for applications such as mine dewatering, stormwater and sewerage removal and tank recirculation.

#### Features

- cast iron or stainless steel options
- automatic level control
- three-phase or single-phase option
- corrosion on wear resistant options



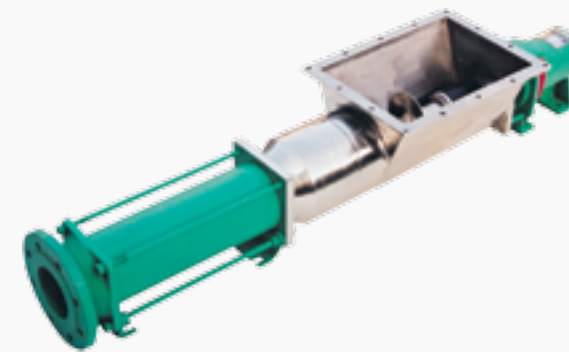
### Talbo submersible – air driven

Talbo range of air driven submersible pumps are ideal for areas where an electric spark may risk ignition or explosion; or where electrical cables can be damaged resulting in a hazard.

Applications include underground dewatering, construction sites, enclosed sumps or flammable areas.

#### Features

- robust design for use in aggressive environments
- no aluminium components
- flows up to 1,000 L/m, heads up to 55 m
- governor controlled motor for extended pump life



### Helical rotor and open throat

Open throat helical rotor pumps designed for easy mounting underneath grape crushers, hoppers and other food storage vessels.

#### Features

- screw feed
- low shear pump action
- flows to 500 m³/hr
- pressures to 72 bar
- ability to handle a range of wetted materials including solids
- able to handle high viscosity product
- aseptic design available



### Inoxpa centrifugal

Close-coupled, stainless steel centrifugal pumps are exceptionally compact, efficient and economical. Ideally suited for hygienic requirements.

#### Features

- open/helicoidal impeller options
- full range of mechanical seals available
- self-priming/multistage options
- flows to 250 m³/hr
- pressures to 10 bar



### Inoxpa lobe

Pumps with gentle pumping action suitable for high pressure applications.

#### Features

- positive displacement
- CIP compatible
- available with in-built PRV
- flows to 100 m³/hr
- pressures to 34 bar



**The most cost effective way of achieving the highest standard of engineering and reliability is to use a specialised manufacturer supplying integrated pumping systems as purpose-built packages.**

Many years of expertise in pump hydraulics and a detailed understanding of electrical process controls and mechanical design principles enables Global Pumps to engineer complete pumping solutions. Using standardised designs, both stocked and specialised components are integrated into an efficient and co-ordinated system tailored to suit specific requirements.

#### **Global Pumps offers the following range of packaged pumping systems.**

Packages are prefabricated with pumps, pipework and valves, with the option of on-board electrical controls and instrumentation to simplify site installation.

Typical packages include:

- duty/stand-by pump sets
- batching systems
- cooling systems
- mixing and dosing systems
- fixed or mobile configurations
- belt drive or direct coupled arrangement

#### **Pressure system packages**

A specialised range of packaged pressure systems have been engineered to answer the growing demand for precision control and constant pressure. These pressure systems are specifically designed to eliminate cycling, pressure fluctuations, water hammer, cyclic fatigue and to reduce running costs.

Typical applications include:

- town water supply
- processing industry
- multi-storey buildings
- golf course reticulation
- subdivision water supply
- mechanical services

## **Packaged pumping systems**

#### **Testing**

The key to a successful package is the ability to fully test and pre-commission the unit in-house prior to delivery. This enables operational parameters to be set and the entire system sequence tested under simulated site conditions to reduce on-site installation time and ensure trouble-free and reliable operation.

#### **Installation and commissioning**

As part of our total package approach, we have facilities to provide a full turn-key project including civil, mechanical and electrical installation. Once installation is complete, our qualified personnel begin a full commissioning to fine-tune the system to suit site conditions.

Our ongoing commitment to our clients is backed by our technical service division which includes a fully equipped workshop, self contained service vehicles and qualified maintenance personnel. To ensure maximum system efficiency and ongoing equipment reliability, preventative maintenance programs and service contracts are available.





### Dirty sulphuric acid

#### Challenge

An ethanol plant in Australia required a pump to transfer corrosive slurry into a filter press. The initial pump used was a peristaltic hose pump which had pulsation issues and could only produce a 6 bar maximum. The product being pumped was a 15% sulphuric acid slurry with 30% solids concentration of up to 2 mm in size.

The slurry is thixotropic, meaning that when it is not being agitated it can become thicker. If it is kept agitated (at a temperature of above 50°C) it will remain reasonably fluid. The duty flow rate required was 120 L/min at 6-11 bar discharge pressure; the pressure would vary depending on the filter. The other restriction to the application was the power consumption must be limited to 5.5 kW.

#### Solution

Global Pumps supplied a Techniflo TB mag drive pump model TB2x1x10C coupled to a 5.5 kW motor. A variable speed drive was installed to prevent the pump from drawing more than 5.5 kW of power.

The Techniflo TB Series are specially designed to handle slurries with solid concentrations of up to 30%.

#### Result

Since installation, the pump has operated faultlessly without any maintenance.



### Ink dispensing

#### Challenge

A four colour printing business needed pumps to deliver inks to its printers. Their AODD pumps had high running costs in compressed air and wearable parts (seals and valves) leading to unacceptably long downtimes and a high cost of repair and parts. In addition to increased durability and lower total cost of ownership by lowering repair/service costs, the customer wanted pumps that would deliver the shear sensitive inks to the printers without foaming or separation.

#### Solution

They recently replaced their Wilden M1 AODD pumps with Verderflex R8 peristaltic hose pumps. The R8 creates savings by having high dependability and eliminates costly specialist repairs, with only a simple clamping mechanism and low cost tube replacements.

#### Result

The customer said this is a "great pump and very reliable". The customer was delighted that the pumps also save money on ink by being reversible. After the print job is finished, they pump ink back into the supply tank.



### Thickener underflow

#### Challenge

A thickener underflow slurry at 81% solids concentration was aggressively abrasive and the viscosity so high it extruded from the pipe like a sausage. Pumping this concentrated zinc slurry at a controlled flow rate was a tough ask.

#### Solution

We chose the only pump we know that could successfully do this duty, a Verderflex VF100 peristaltic pump. Combining its slow running speed and gentle pumping action, the Verderflex pump can run continually without missing a beat and with minimal downtime. The only spare part required was the pump hose because there weren't any valves or seals inside the pump to wear out.

#### Result

The pump delivered consistently and reliably even when conditions on the mine site changed viscosity and the system pressures varied. To maintain and clean the pump was a breeze – as the pump could be reversed to flush out the lines. An ideal solution to a very challenging pump duty.



### Wear resistant coating

#### Challenge

A uranium ore processing facility needed to pump raw material in the form of slurry through its plant. The slurry, crushed uranium ore mixed with reactive chemicals, is both highly abrasive and corrosive, causing metal components in contact with the slurry to erode and wear extremely quickly. After only five days in contact with the slurry the vane of an impeller had been eroded to the point that it was no longer capable of effective pumping.

#### Solution

In consultation with Global Pumps, the pump was replaced – with exactly the same model. The difference was that the replacement had its interior metal surfaces coated with an elastomeric compound designed to withstand corrosive and abrasive process fluids. In this instance, both the impeller and the pump casing were coated with MetallLine 785 elastomeric coating.

#### Result

After 10 weeks of continuous service, the elastomer coating and impeller remained completely intact. The MetallLine elastomeric coating has made a significant difference to the durability of the pump's interior components. In this case the pump with the coating had lasted twelve times longer than the original uncoated pump.





# Testimonials

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*"I always appreciate the warm, friendly, knowledgeable staff I interact with, whether it be over the phone or via email they are always eager to help and are extremely fast with their responses to my request for quotes."*

Tressa  
Osmoflo Pty Ltd

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*"Great service, friendly and sound advice."*

Michael  
Uranium One Australia Pty Ltd

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*"The pumps we use do the job required, with no problems and very little servicing."*

Warren  
Kentmaster Equipment (Aust) Pty Ltd

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*"Enquiry for a pump application was attended to with expertise and promptly, which offered the customer an alternative solution."*

George  
J Blackwood & Son Pty Ltd

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*"I would recommend Global Pumps and staff at all times for their services before and after sales."*

Peter  
Department of Primary Industries and Regions (PIRSA)

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*"Very prompt and responsive to all our queries."*

Dhritiman  
Halliburton Australia Pty Ltd

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*"Prompt service, competitive prices."*

John  
Ensign Australia Pty Ltd





