

Company Name & Contact Details:

Pump Systems Ltd

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Established in 1984, Pump Systems Ltd is one of Australia and New Zealand's leading suppliers of chopper pumps, solids handling pumps, digester and sludge tank mixing systems, as well as sludge heat exchangers for the combined municipal and industrial wastewater sectors. As the Authorised Factory Representative for Vaughan® Chopper Pumps in Australia and New Zealand for 18 years, we have solved countless solids pumping and mixing problems for applications where standard "non-clog" impeller pumps fail due to heavy loadings of solids in wastewater and sludge.

Over the years we have been involved with some of the most difficult solids pumping and mixing projects in the region. Our Vaughan® Chopper Pumps, Vaughan® Rotamix® Process Mixing Systems and Lackeby Sludge Heat Exchangers are operating throughout New Zealand, Australia and Asia, with installations in cities such as Christchurch, Auckland, Hamilton, Tauranga, Palmerston North, Dunedin, Sydney, Perth, Maroochy and Singapore to name a few. Our high level of specialist expertise and experience, coupled with backing from some of the worlds leading manufacturers in water and wastewater technology sets us apart from other "standard" pumping companies. Through this experience we are proud to offer our clients world-class solutions and technical support for the modern renewable energy market.

The Rotamix® Process Mixing System by Vaughan® is today's most cost effective means of mechanical hydraulic mixing, consisting of an engineered arrangement of floor mounted nozzles fed by a Vaughan® Chopper Pump. Using custom engineering software, each application is analysed and sized in order to achieve the desired mixing effect. Rotamix® is available for aerobic and anaerobic digesters, sludge storage tanks and other high-volume. Each Rotamix® nozzle assembly comes with a 10-year full replacement warranty against wear and corrosion. There are no moving or rotating parts within the process and no scheduled nozzle maintenance required. Using an externally mounted Vaughan® Chopper Pump to power the system, solids in the waste stream are constantly preconditioned and broken down. This not only protects downstream pumps and equipment from clogging, but also promotes enhanced biological digestion and increased methane gas production.

For more information visit our website:

www.pumpsystems.co.nz

Core Skill(s):

- Solids Pumping/Handling Specialist
- Process Mixing System Design & Supply
- Computational Fluid Dynamics Modeling (CFD)
- Sludge Heat Exchanger Design & Supply

Biogas Focus:

- Mixing Systems for Anaerobic Digesters
- Key Technology/Equipment Provider
- High Efficiency Systems at Low Capital Cost
- Proven, Robust, Reliable Solutions

Core Product/Activity:

- Vaughan® Chopper Pumps
- Rotamix® Process Mixing Systems
- Lackeby Sludge Heat Exchangers

Key Project Activities:

- Application Troubleshooting & Selection
- Design & Supply of Key Equipment
- Ongoing Technical Support & Advice

Leading Edge:

Pump Systems Ltd is the Authorised Representative for Vaughan® Chopper Pumps & Vaughan® Rotamix® in New Zealand & Australia. The Rotamix® Process Mixing System by Vaughan Co. is today's most cost effective means of mechanical hydraulic mixing for anaerobic digesters and sludge tanks. Since its inception by Vaughan Co. in 2000, there are now over 600 Rotamix® installations worldwide, Pump Systems Ltd® has Rotamix systems operating in New Zealand, Australia & Singapore.

Investment Base:

We are a 100% owned New Zealand based company working throughout New Zealand, Australia & Singapore

Employees:

<5

Production Capacity:

Based in Christchurch, New Zealand, we provide technical support and service for our client base in New Zealand, Australia and Singapore.