

REID & HARRISON™

YARDMASTER® COMPANY PROFILE



**PROVEN
EFFLUENT
PRODUCTS**



**AN EFFLUENT
SYSTEM
THAT'S RIGHT
FOR YOU**



**EFFLUENT
SYSTEM
MANAGEMENT**



**A STRONG
DEALER
NETWORK**

REID &
HARRISON™
Pumps & Systems

Yardmaster®



OUR HISTORY

Reid & Harrison (1980) Ltd have been in the business of successfully pumping liquid / solid slurries for over 60 years.

Bob Dalley took over directorship of Reid & Harrison (1980) Ltd after 20 years working for the company, including a large input into the development of the original Yardmaster pump, and still maintains an active role in the company. He was joined by his son, Seaton Dalley as co-director in 1993.

Along with 35 staff, many of whom have in excess of 10 years experience with Reid & Harrison, they have pushed the Yardmaster product to the leading position in the New Zealand market. As requirements have altered in the industry, Reid & Harrison (1980) Ltd have continued to develop the Yardmaster range to stay at the top.

In 2013 the business had outgrown the Peria road site. A large modern industrial complex was sought and acquired at 1 Waihou Street which has good road access and continues the high Matamata profile previously enjoyed.



Reid and Harrison moved onto site in February 2014 and now has much improved physical space and materials handling capability to increase the service offering to their customers. The

site is situated on a 1.66 hectare of land. This is covered by around 7,700 square meters of building and includes: Full stainless manufacturing capability including brake press and guillotine; State of the art test pool with full automation to plot pump flow curves accurately; Drive through stores with a 8 tonne gantry; Fabrication and repairs area with three 5 tonne overhead gantries. Welding and metal forming

equipment; Machine shop with 3 CNC lathes and 1CNC mill; Modern offices with conference and meeting rooms.

As part of the strategy to grow the service and capabilities, R&H have set up a nationwide Certified Dealer Network. With access to Yardmaster product training, technical support and product information, The Certified Dealers have the might of the full Yardmaster organisation supporting them.

R&H also in 2014 acquired a stainless steel business (formerly ISD) that included intellectual property for Separation products. These separators have complemented the existing product range enabling full system design and supply. This business has been rebranded Reid & Harrison Stainless and mainly supplies both food grade as well as Dairy Effluent Separation products.

In 2016, R&H acquired the local Certified Dealer business of Environmental Technologies Ltd. which included a pond, herd home pumping capability as well as trenching. The business is also Dairy NZ certified for Farm Dairy Effluent design. This business has been rebranded Reid & Harrison Services and now focuses on the wider Matamata/Walton area servicing all the local customer needs from effluent system maintenance, to full installations.

Also in 2016, a strategic supply agreement was entered with TAG I.T. for a combined development and launch of a Supersmart effluent monitoring and control system under the Yardmaster HALO brand. This cloud based system enables full control of pump speed and thus flow and pressures to match the varying requirements in a farm situation.

In March 2019, Reid & Harrison bought the Morrinsville based Pond Pumping business from Hitech. With two complete pond pumping systems and a further 4 staff to operate these, they combined with existing Matamata Pond pumping System and two tanking units R&H already had.

The Yardmaster products are exported with main markets being Australia, Uruguay, Ireland, UK and Chile.

The Benefits of Reid & Harrison Yardmaster

- Yardmaster pumps have for over 60 years proven their reliability.
- Yardmaster provides local support via our nationwide Certified Dealer Network which in-turn is supported from the product experts at our Matamata factory.
- Yardmaster has a comprehensive range of products that we can combine to meet FDE system design accreditation.
- Yardmaster has a controlled Test facility to ensure our products work.
- Yardmaster products are designed in NZ for NZ conditions.

Reid & Harrison Group Businesses

REID & HARRISON | **Yardmaster®**
Pumps & Systems

REID & HARRISON | **Services**
& Effluent Solutions

REID & HARRISON | **Stainless**
Stainless Engineering

RHP
REID & HARRISON PERFORMANCE



Keith Cooke -
Chief Executive

SYSTEM DESIGN

A SYSTEM THAT'S RIGHT FOR YOU



Every farm is unique. Reliable effluent systems that work every day in the real world need experience, expertise and an integrated design approach.

We are one of only a few companies accredited to design dairy effluent systems that meet industry FDES standards and codes of practice. We supply and install systems and equipment, and provide full after sales service and support.

WHAT DOES THE GREEN TICK MEAN FOR YOU?

The green tick means your system design can be completed to best industry practises. Companies with the Green tick have been assessed for their competency and skills in:

- Regulation and legislation
- Effluent block allocation
- Integrated management systems
- Soils and climate considerations
- Calculating pond storage volume
- Hydraulic design of irrigation systems.

Ensure systems achieve dairy industry and wider communities expectations for the land application of dairy effluent. On completion you will have documentation to show system design calculations to show compliance.

You have our organisations ongoing support to give you peace of mind.

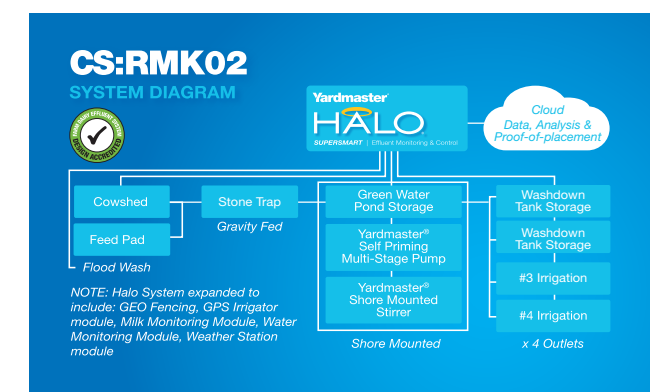


Trevor Foley is Yardmaster's System Sales Specialist and certified by Dairy NZ as a Warrant of Fitness Assessor.



The Effluent WOF programme is 3-4 hour assessment, covering the entire effluent system.

Flow Diagram of a Shore Mounted Effluent System



CASE STUDIES

Visit our website to view case studies with various system configurations designed to suit specific land type and demand.



EFFLUENT PUMPS,
STIRRERS & SEPARATORS



TRUSTED & PROVEN PRODUCTS

Trusted by generations of New Zealand farmers, our equipment is purpose designed for effluent, and performs reliably where others can't.

EFFLUENT PUMPS

FOR 'PROCESSED' IRRIGATION



Multi-stage Vertical

IDEAL FOR

- Floating Frames
- High efficiency /pressure
- Green water /Small solids



Multi-stage Horizontal

IDEAL FOR

- Flood feed applications
- High efficiency /pressure
- Green water /Small solids



Self-Priming Multi-stage

IDEAL FOR

- Shore Mounting
- High efficiency /pressure
- Green water /Small solids

FOR IRRIGATION



Horizontal Pump

IDEAL FOR

- Flood feed applications
- High speed irrigation pump
- Green water with solids



Vertical Pump

IDEAL FOR

- Floating Frames
- High speed irrigation pump
- Green water with solids



Extender Pump

IDEAL FOR

- Deep Sumps
- High speed irrigation pump
- Green water with solids

SUBMERSIBLE

Imported.
Trialled & Tested in NZ



Submersible Pump

IDEAL FOR

- Feeding mechanical separators
- Transfer pump
- Green water with solids

FOR TRANSFER



Horizontal Pump

IDEAL FOR

- Flood feed applications
- Transfer pump
- Green water with solids



Vertical Pump

IDEAL FOR

- Floating Frames
- Transfer pump
- Green water with solids



Extender Pump

IDEAL FOR

- Deep Sumps
- Transfer pump
- Green water with solids



Trough Pump

IDEAL FOR

- Emptying of troughs
- Water with solids



High Volume Pump

IDEAL FOR

- Volume transfer
- Green water with solids



Heavy Duty Pump

IDEAL FOR

- Volume transfer
- Liquid with solids
- Industrial applications



PTO Pump

IDEAL FOR

- Volume transfer
- Green water with solids

FOR VOLUME TRANSFER

STIRRERS

FOR TANKS, SUMPS, PONDS



Vertical Stirrer

IDEAL FOR

- Floating Frame mounting
- Smaller ponds or round tanks



Right Angle Stirrer

IDEAL FOR

- Floating Frame mounting
- Large ponds
- Strong agitation



Shore Mounted Stirrer

IDEAL FOR

- Shore Mounting
- Large ponds
- Safe access

SUBMERSIBLE

Imported.
Trialled & Tested in NZ



Submersible Stirrer

IDEAL FOR

- Small sumps or tanks
- Easy access when fitted with a Yardmaster



SEPARATORS



Inclined Screw Separator (YS)

IDEAL FOR

- Entry level separator
- Easiest installation in existing effluent systems
- Handles most duties
- May be used as primary separator



Press Separator (PS)

IDEAL FOR

- All effluent ponds
- Driest solids
- Can be used as a primary separator



Rotary Drum Separator (RDS)

IDEAL FOR

- Low power requirements
- Moderate dry solids
- Low wear & maintenance



Static Screen Separator (SS)

IDEAL FOR

- No power
- No moving parts
- Can be used as primary separator

EFFLUENT MANAGEMENT



Yardmaster HALO SUPERSMART Monitoring & Control

IDEAL FOR

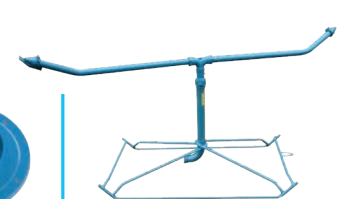
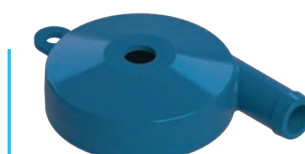
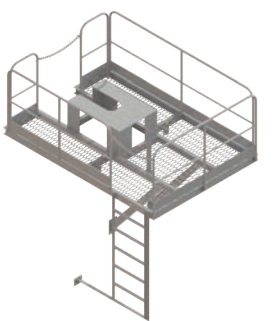
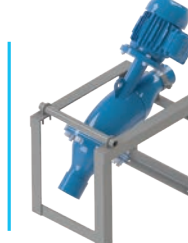
- Flow control for varying applications
- Control of irrigation rates
- Control by cell

ACCESSORIES



INCLUDING

- Floating Frames, Lifting Frames & Platforms
- Trough Pump
- Inline Cutter & Blades
- Automatic Greaser
- Float Control Switch
- Headworks
- Wash Down System



REID & HARRISON | **Yardmaster**
Pumps & Systems

www.yardmaster.co.nz

EFFLUENT MANAGEMENT

EFFLUENT SYSTEM MANAGEMENT

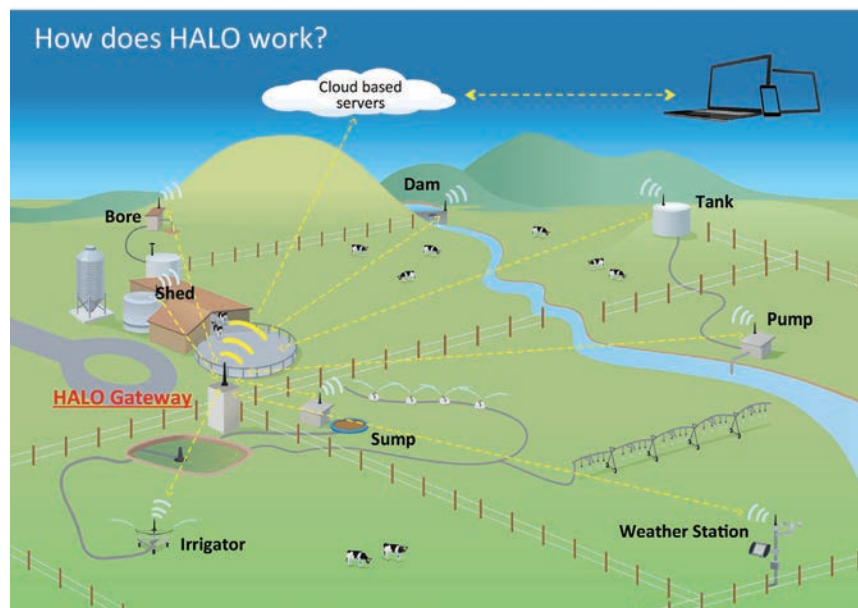
YARDMASTER® HALO® provides next generation monitoring and control of your Dairy Effluent system. The SUPERSMART Monitoring & Control platform can be tailored to match the requirements of your farm and you can choose from a range of additional options.



HOW THE HALO SYSTEM WORKS

Each HALO system starts with a Gateway base station, incorporating a GSM data connection. This GSM connection communicates all on-farm data directly to our cloud based servers. Software and system updates are taken care of via this link also.

To include multiple data points across the farm we have created a low cost, high performance radio platform. HALO transmits via a mesh of repeating radio nodes each of which have the ability to record and transmit data as required. All data is made available via our secure, online HALO Dashboard.



THE HALO® DASHBOARD

The HALO system comes with a dashboard, accessed by web connection. This therefore can be viewed from any smart device.



Compliance: With unlimited cloud-based storage, all your effluent data is ready to be shared directly with regional council if needed.

EXPAND SYSTEM TO INCLUDE OTHER HALO® MODULES

HALO® can be expanded to other modules. With your existing Effluent system gateway, you can also link Water, Milk, Weather, Silos and other sensors by a radio link so all information needed is gathered and stored.



www.yardmaster.co.nz

CERTIFIED DEALER NETWORK

A STRONG DEALER NETWORK



NORTHLAND

Advance Dairy & Pumps Ltd
Arnold Franks Ltd
McQuinn Pumps
Northland Farm Water Solutions Ltd

AUCKLAND

Advance Dairy & Pump Ltd
Rural Supplies Pukekohe (2000)

BAY OF PLENTY

ABC Milking Solutions Ltd
King Farm Services Ltd
Milking & Water Systems Ltd

WAIKATO

Ecostream
Hutchies
Ngatea Milking Machines
Paeroa Farm Services
Professional Farm Services
Pump & Electrical Services Ltd
Pumpn
Qubik
Reid & Harrison Services
Ross Pumps & Filtration Specialists Ltd
South Waikato Water Solutions
Tanner Industries Ltd
Waikato Pump Services Ltd
Williams Irrigation

GISBORNE & HAWKES BAY

Harris Pumps & Filtration
Irrigation Services Ltd
Isaac's Pumping & Electrical

TARANAKI

Central Milking & Pumping
Coastal Agri Services
Dairymaster Milking Systems NZ Ltd
Dairypro 2010

Elite Farm Solutions
Hawera Rewinds Ltd
Hooper Engineering
Hunts Farm Services
Vickers Farm & Dairy Limited

MANAWATU-WANGANUI & WELLINGTON

Cotter & Stevens
Dannervirke Dairy Supplies
Davidson Engineering
Farm Supplies Central Ltd
Irrigation Services (Wairarapa) Ltd
Lifestyle & Dairy Pumps
MacDougalls Agri Services
Ordish & Stevens
S&J Bromley Engineering Ltd

TASMAN, NELSON & MARLBOROUGH

Ag Water Ltd
Dairy Solutions
On Farm Agri Centre
Waterforce Blenheim

WEST COAST

Jeff Evans
Pump Services West Coast Ltd

CANTERBURY

Hall Machinery Ltd
Kirk Irrigation
Leo Dunne
PGG Wrightson
Plucks Engineering Ltd
Pump Services 2010 Ltd
Rainer Irrigation Ltd
Think Water Leeston
Water Force

OTAGO

Brown Brothers Engineers
Clutha Chain Mesh Products
Laser Electrical Balclutha
PGG Wrightson
Water Force Ltd

SOUTHLAND

Dairy & Pumps Ltd
Dairy Tech South
Nind Dairy Services
Progressive Engineering Southland
Southland Farm Services
Waterforce

INTERNATIONAL

AUSTRALIA
IRELAND
UK
URUGUAY
CHILE

Local support
wherever you are,
backed up with
strong design and
manufacturing
expertise.



