

A large industrial facility, possibly an oil refinery or chemical plant, is shown at night. The structure is illuminated by numerous bright lights, creating a complex network of light and shadow. The facility features multiple levels of scaffolding, pipes, and structural elements. A prominent bright light source on the right side of the image creates a strong lens flare effect. The overall scene conveys a sense of industrial activity and scale.

CORPORATE PROFILE

Vision & Core Values

Vision

"To supply on time, high quality, recognised products to our clients as packaged equipment to their specifications with excellent after sales service and spares."

Core Values

- Consulting with our clients to achieve satisfaction and improvement
- Training our staff to ensure high levels of competency
- Providing high quality products at competitive prices
- Supplying support to our clients for spare parts, programmed maintenance, repairs and commissioning
- Ensuring our staff understand and implement our policies on Quality, Safety, Environment, Privacy, Ethics, Equal Employment, and Drugs



Company Background



Western Australia (WA)

In December 1981 we commenced operations in WA marketing Pumps and associated equipment to mining companies and manufacturers in Western Australia. Commencing business with a staff of four we have grown to become a national entity employing approximately seventy people Australia wide. WA remains our Head Office with engineering, project management, manufacturing, testing and finance based in WA. Our sales and service teams support our customers in the Oil & Gas, Mining/Mineral Processing, Water/Wastewater and General Industrial markets. Due to our continued success our sales and service team relocated to new facilities in April 2018.



New South Wales (NSW)

In May 1995 we commenced business in NSW in support of the local mining, food & beverage and water/wastewater industries. In July 2001 we began manufacturing our own brand of "FLO-MAX" turbine, propeller and submersible pumps. This operation has been successful from the very first year and is now one of the premium manufacturers of turbine pumps. FLO-MAX pumps are manufactured wholly in Australia.

Queensland (QLD)

In November 2003 we commenced business in Queensland in support of the local mining, food & beverage and water/wastewater industries. Since then our business has evolved as has the market with our sales and service team supporting a wealth of customers in the Oil & Gas, Mining/Mineral Processing, Water/Wastewater and General Industrial markets.



Victoria (VIC)

In March 2006 we commenced business in Victoria to support the growth of our Dynavac range of vacuum pumps. As the business has grown our sales team have expanded into supporting the vast array of EPCM's in a variety of industries from Oil & Gas, Mining/Mineral processing and power. The business continue to grow its sales and service footprint supporting a wealth of customers in the Oil & Gas, Mining/Mineral Processing, Water/Wastewater and General Industrial markets whilst still supporting our range of Dynavac vacuum solutions.

Scope of Services Provided

Dynapumps offers through our engineering and sales departments the following services:

Project Development

- Technical Economic Feasibility Studies
- Preliminary Cost Estimates
- Evaluation of Technology Alternatives
- Preparation of Project Duty Specifications

Design Engineering

- Structural
- Piping & Valves
- Instrumentation
- Electrical

Commissioning & Training

- On site commissioning
- Operator Training
- Maintenance Training

Procurement

- Tender Submissions
- Contract Review
- Certified Suppliers

Manufacturing & Testing

- 2D & 3D Drawing Packages
- Welders Certified to AS1554, AWS D1.1, AS3992 & ASME IX
- In house assembly and testing to AS2417 or specified
- Client inspections are welcomed

Quality

- Preparation of Quality Plan & ITP
- Document Index and Progress Reporting
- Manufacturing Procedure Qualifications
- Lessons learnt

Safety

- Use of Take 5 system for risk analysis
- Preparation of Job Safety Analysis (JSA)
- Use of Safe Work Method Statements (SWMS)



Repairs and Service



Our offices provide support and service for the complete range of Dynapumps products.

Spare Parts

Dynapumps stock a wide range of spares and have a team of people ready to source what you require. We understand that less downtime means less impact on your bottom line.

Our dedicated sales team are experienced at sourcing spares for all types of pumps across Australia and Internationally.

Service Capabilities

We provide high quality aftermarket service and testing every step of the way. Our qualified engineers and service staff are available to provide support so you get the best performance out of your pumps.

Workshop Capabilities

Our workshops are organised for the fastest and most economical turnaround for you and include:

- Qualified and experienced welders and fitters
- Welding to Australian and International standards
- High pressure cleaning of pumps and parts
- Strip down with full report and photos
- Use genuine or re-engineered parts
- Failure analysis with Non Destructive Examination
- Rebuild to manufacturer's tolerances
- Laser align couplings
- Hydrostatic and/or performance testing as required
- Clean, paint and ship to you

Repairs

Our staff can provide the following services either on your site or in our workshops:

- Quote with Strip down photos
- Emergency repairs
- Contract price for regular service calls
- Pump and system audits
- Helium leak detection
- Range of hire pumps for vacuum
- Guaranteed repairs



Safety

Dynapumps care about your safety and ours so we train our people in health and safety. We request a De-contamination report before we strip pumps to ensure we do not risk the safety of our people or cause environmental damage. Staff are provided with the appropriate inoculations against various infections.



Commissioning

We provide commissioning of Dynapumps pumping equipment which includes working to your requirements for:

- Personnel qualification
- Safety plan
- Preparing a work plan
- Inspection and test plan
- Site conduct plan
- On-site training

Test Facilities

Our in house pump test facilities, staffed by our trained operators provide performance testing to Australian or International standards.

We can also organise non destructive testing at certified labs by certified inspectors (NATA), and certification of risk assessment by organisations such as ABS, DNV, Lloyds etc. Load testing and stress relieving can also be organised, should it be required.

Our test tank specifications are as follows:

- Dual Test Rig set-up.
- Pump Test Flow: 420 l/s or higher with tank modifications
- Magnetic flow-meter and auto control valve
- Tested parameters
- An Electrical Network monitors variables to meet your needs

Engineering Support

Dynapumps long experience in the pump industry is backed by our multi disciplined engineering team. Our team of qualified and experienced engineers to design your system and provide support and project management throughout the process.

Our offices maintain an open door policy and we encourage you to view your project being completed by our extensive workshop team.

The design of project pump skids is assisted by the latest in 3D drafting technology. The use of this technology results in increased accuracy which reduces wasted time and materials, saving you money.

Dynapumps staff and policies adhere to their ISO 9001 Quality Assurance accreditation, ensuring you get consistently great service and products.

We take pride in our accreditation and quality of work resulting in many repeat and referred clients.

We are able to offer optional finite element analysis, acoustic and vibrational analysis. Our engineers and technicians are also available to assist in commissioning our pumpsets on site.

'Dynavac' is Dynapumps' exclusive range of Vacuum pumps and blower products. The Dynavac name has been synonymous with high quality and reliability for over 50 years.



Dynavac products cover many markets for industrial applications plus high and ultra high vacuum for research and scientific markets.



Typical market applications

Industrial

- Liquid Ring pumps for mining, sugar refining, pulp and paper, power generation, brickworks, and filter presses of all kinds
- Rotary vane - lubricated and dry running, for packaging, vacuum forming, medical & central vacuum systems
- Dry Running Claw pumps are used to save power and reduce maintenance for all applications
- Side Channel Blowers for aeration and vacuum applications
- Oil sealed and dry screw pumps where heavy duty and clean pumping are required

Research & Scientific

- Two stage rotary vane pumps for general laboratory use
- Dry running scroll pumps for backing applications and general use
- Dry running Screw pumps for research and PCB manufacture
- Ion vacuum pumps for high vacuum in Synchrotrons and research
- Turbo pumping systems for mass spectrometers and research
- Diffusion pumps and Helium leak detectors
- Freeze dryers and rotary evaporators

FLO-MAX pump range

FLO-MAX pumps are manufactured by Dynapumps in Australia and sold all over the world. You will find FLO-MAX pumps in Africa, Asia and Europe. They are manufactured using local foundries and facilities.



Our vast knowledge and experience in the manufacturing and application of our range of pumps has enabled the development of new innovations in pump design and materials. In house design, pattern making, casting and manufacturing is maintained and supervised by personnel to ensure quality and continuity is consistent. FLO-MAX pump products include:

- Vertical Turbine Pumps
- Borehole Submersible Pumps
- Vertical or Cantilevered Sump Pumps
- Submersible Sump Pumps
- Axial Flow Propeller Pumps

Vertical Turbine and Borehole Submersible Pumps

Applications

Manufactured in Australia by Dynapumps, FLO-MAX vertical turbine and submersible pumps have wide uses in:

- Water Supply & Treatment
- Fire Protection
- Mine Dewatering
- Power Stations
- Agriculture
- Chemical Plants

There are alternative materials and types of construction are available to suit a variety of applications. Pumps can be supplied as vertical, horizontal or inclined to suit pits and bores. Canned motor versions can be manufactured with a 'T' or 'L' discharge arrangement.

Materialised construction

Pumps can be supplied in:

- Duplex stainless steel alloys
- SAF2205 or SAF2507
- 304ss
- 316ss

Performance range

- Flow rates up to 10,800 m³/h
- Heads to 500 m



Vertical Turbine

Borehole Submersible

Vertical or Cantilevered Sump Pumps

The pumps are designed for particularly harsh conditions to ensure reliable operation in heavy duty sump applications. A wide variety of optional features are available.

Advantages include:

- Automatic operator
- Low NPSH
- Low maintenance
- Self priming

Performance range:

- Flow rates up to 720 m³/h
- Heads to 100 m



Vertical

Cantilevered

FLO-MAX Pump Applications

Submersible Sump Pumps

The pump range offered by FLO-MAX extends up to 22kW and we are building on this every day. We offer different impeller designs to suit the applications that our pumps are used for. Impeller designs in the FLO-MAX range include channel, vortex, grinder, semi-open and axial flow impeller designs. Easy installation, FLO-MAX pumps are designed to easily fit into existing pits and rail systems when specified.

Performance range

- Flow rates up to 500 m³/h
- Heads to 90 m



Axial Flow Propeller Pumps

Submersible propeller pumps are the best choice for pumping large volumes of water at relatively low heads. Typical application areas for this series of pumps include irrigation, sewage-treatment, storm-water reclamation, salt farms, land drainage and aqua-culture.

Performance range:

- Flow rates up to 1500 m³/h
- Heads to 5 m



316ss Pumps for salt production, 37 kW. 1500 m³/h, 3.5 m head



Dubbo Town Water Supply pumps



Duplex SS Seawater pump for Nickel Mine



New Caledonia - installation of fire pump



Mining

The mining industry makes extraordinary demands on equipment due to the often hostile and remote environments in which it operates.

The pumps used in mining are no exception to this rule and accordingly Dynapumps only offer the very best and most durable machines available.

Since our start in 1981 Dynapumps has serviced the mining industry in the Eastern Goldfields, the Murchison and the Pilbara. Today we sell all over Australia as well as to distant, offshore locations such as Africa, Mongolia, Noumea and even to Europe and Mexico.

Our range includes:

- Turbine & Submersible Pumps
- ISO & ASME End Suction
- Centrifugal Pumps
- Split Case Centrifugal Pumps
- Self Priming Centrifugal Pumps
- Borehole & Multistage Pumps
- AS 2941 & NFPA 20 Fire Pumps
- Helical Rotor Pumps
- H.P. Piston & Plunger Pumps
- Peristaltic (hose) Pumps
- Air Operated Diaphragm Pumps
- Liquid Ring Vacuum Pumps & Compressors

Oil & Gas

Oil and gas exploration and production require a range of pump types which can operate reliably in extreme conditions, particularly in highly corrosive environments. Dynapumps has a wealth of experience in supplying the right pump (vacuum or pressure) for the job in the oil and gas industry.

We continue to design and manufacture API pump skids and Fire Pump Skids for both offshore and onshore plants, providing solutions for all end users.

Our range includes:

- AS 2941 & NFPA 20 Fire Pumps
- API 674 Plunger Pumps
- API 610 & API 685 Centrifugal Pumps
- API 675 Metering Pumps
- API 676 Rotary Lobe Pumps
- API 676 Helical Rotor Pumps
- Air Operated Diaphragm Pumps
- LNG and Fuel Marine Loading Arms
- Soil Remediation Vacuum & Air Sparge System

Water Supply & Water Treatment

Dynapumps provide pressure and vacuum Pumps for the water and wastewater industry. We deliver on efficiency, a reduction on high power consumption and to provide water at the lowest possible cost. Dynapumps manufactures FLO-MAX® Turbine and Submersible Pumps in Australia for the water and waste water industry along with other specialty products and services.

Our range includes:

- Turbine & Submersible Pumps
- Centrifugal Pumpsets
- Rotary Lobe Pumps
- Metering Pumps
- Helical Rotor Pumps
- Dry Claw Compressors & Rotary Vane
- Vacuum Pumps and Air Blowers

Exploration

The mining industry depends upon exploration to locate new mineral resources and these discoveries are achieved using truck mounted drilling rigs.

Because of the often remote locations of these operations, pumps must be reliable and easy to repair on site Dynapumps has supplied high quality pumps to the Drilling and Boring Industry for the last 30 years.

Our range includes:

- High Pressure Piston & Plunger Mud Pumps
- Water Injection Pumps
- Self Priming Centrifugal Pumps
- Borehole Pumps
- Helical Rotor Pumps
- Pressure Relief Valves
- Heavy Duty Pressure Gauges

Food & Beverage Processing

We work closely with the industry to assist manufacturers to reduce their water and energy consumption.

Advances in electric motor efficiencies and the use of dry running vacuum pumps are contributing to the reduced energy consumption and improved profitability.

Our range includes:

- Hygienic Centrifugal Pumps
- Hygienic Helical Rotor Pumps
- Air Operated Hygienic Pumps
- Hygienic Metering Pumps
- Vacuum Pumps for Processing & Packaging

Medical

The medical industry relies on pumps to provide a range of duties such as vacuum in operating theatres, to pumps providing hot and cold water.

This market segment has immense pressure on it to meet the demands of a growing population, as well as the demands for innovative solutions to improve efficiencies and performance.

Dynapumps is keeping abreast of these demands by supplying high efficiency process pumps and vacuum pumps that require minimal maintenance.

Our range includes:

- Centrifugal Pumpsets
- Dry Claw Vacuum Pumps for Hospital
- Central Vacuum Systems
- Hospital Central Vacuum Systems
- Dental Surgery Vacuum Systems
- Rotary Vane Pumps for Surgeries
- Turbo Molecular Vacuum Pumps
- Scroll Pumps
- Miniature Precision Pumps for Research
- Aspirator Pump Units

Science & Research

Australia supports some of the world's largest scientific and industrial research organisations and in a market that requires innovative solutions and high technology equipment.

Dynapumps offer a range of engineered solutions as well as on going technical support to the likes of the Australian Synchrotron as well as all major Australian Universities.

Dynapumps supply a complete range of vacuum and pressure pumps to this market.

Our range includes:

- Rotary Vane Vacuum Pumps
- Vacuum Systems & Equipment
- Turbo Molecular Pumps
- Scroll Pumps
- Ion Pumps
- Diffusion Pumps
- Vacuum Fittings & Gauges
- 2 Stage High Vacuum Pumps
- Dry Screw Vacuum Pumps
- Diaphragm Vacuum Pumps
- Leak Detectors

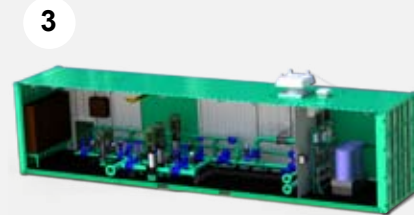
Projects



Onslow Salt, Onslow W.A.
2 x FLO-MAX SS Propeller
Pumps for salt production



Woodside Burrup Peninsula
LNG plant. AS2941
Containerised Fire Pumpset



Woodside, King Bay Supply Base
(KBSB) – Containerised Potable
Water Pump Station



JKC-Japan - Ichthys LNG
Project Darwin. API 675
Chemical Injection Skids



Oil Search - Kumul Platform
Papua New Guinea.
Fire Pump System



Diamantina Power Station -
Mt. Isa, QLD. Boiler-feed
and Cooling Water Pumps



Incitec Fertiliser Plant,
Moranbah, QLD. 4 x 800mm DIA
450Kw FLO-MAX Pumps



QGC-GCLNG and APLNG.
3x LNG plants at Curtis Island,
QLD. Temporary and
Permanent Fire Pumps



Enerflex - Queensland
Curtis Island LNG Project.
FMC Glycol Pumps



Triangle Energy - Cliff Head
Oil Platform. 4 x FMC API
Water Re-injection Pumps



WA Live Seafood Export
Company - FLO-MAX
Vertical Turbine Pumps



Alcoa - Pinjarra Bauxite
Mine, Co-generation
Fuel Skids



FQML - Ravensthorpe Nickel
Mine. FLO-MAX Turbine Pumps
and Plant Process Pumps



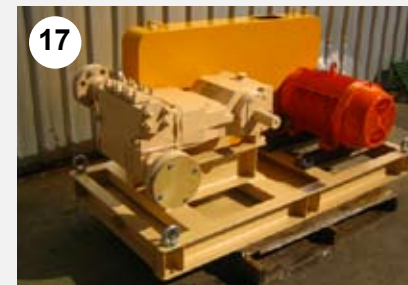
Anglo Gold Ashanti -
Tropicana Gold Mine.
Borehole and Process Pumps



Geodynamics-Innaminka, SA.
Geothermal Power Station
Caustic Dosing Skid.



Dubbo City Council - Water
Supply Pumps. 450Kw
FLO-MAX Pumps



Process Group - Victoria.
API 674 FMC TEG
Circulation Pumps



OMV Oil industry company, New
Zealand - Multiphase Twin
Screw Pumps









Origin Energy - NZ. Kupe
Offshore Platform 9 x API 675
Chemical Injection Skids







Pressure Pump Products

Centrifugal Pumps	Product	Specification Flow and Head (max.)
	Vertical Turbine Submersible	< 10,800 m³/h < 500 metres
	ANSI, B73.1 Process Pump, Self Primer & In-Line Process Pumps manufactured and tested in USA	< 1364 m³/h < 223 metres
	API 610 centrifugal pumps manufactured and tested in USA	< 3500 m³/h < 164 metres
	Dosing Wastewater Wastewater Mixing End Suction Multi-Pump Systems Vertical Multistage Renewable (Solar) Boosting Systems	< 1.5 m³/h < 18,000 m³/h < 5,000 m³/h < 2,000 m³/h < 1,000 m³/h < 230 m³/h < 250 m³/h < 330 m³/h 200 bar 10 bar 22 bar 50 bar 50 bar 60 bar 80 bar
	End Suction Pumps Split Case Pumps Submersible	< 14,000 m³/h < 30 bar
	End Suction ISO-5199 Fire Pumps	< 7200 m³/h < 400 metres
	End Suction ISO-2858 ISO-5199 Modular Tanks	< 900 m³/h < 160 metres
	Metallic Magnetic Drive PFA Lined and PTFE Magnetic Drive Centrifugal Pumps PFA and Ceramic Lined End Suction Self-priming Magnetic Drive	< 650 m³/h < 145 metres
	Chemical Pumps Plastic Construction	< 1200 m³/h < 150 metres
	Dewatering Pumps	1110lps -225m
	Self Priming	<1500 m³/h < 70 metres
	AS2941 NFPA20 (Also FM- UL) Containerised Split Case Fire Pumps Vertical In-Line Fire Pumps Vertical Turbine Fire Pumps Two-Stage (HSC) DMD Fire Pumps End Suction Fire Pumps Pre-Pac® Fire Pump Systems	< 7200 m³/h < 250 metres
		

Positive Displacement Pumps	Product	Specification Flow and Head (max.)
	Piston Plunger	< 490 m³/h < 1380 bar
	2, 3, 4 & 5 Screw Pumps 2 Screw Multiphase Pumps	< 5000 m³/hr < 280 bar < 99% Gas Volume Fraction
	Helical Rotor	< 500 m³/h < 48 bar
	Helical Rotor	< 500 m³/h < 240 bar
	Metering Solenoid Diaphragm Piston & Plunger	< 60 m³/h < 1200 bar
	Gear Micro Gear	< 125 m³/h < 13.8 bar
	Pulseless Diaphragm Metering Pumps	300 lph < 10 bar
	Sliding Vane	< 522 m³/h < 8.6 bar
	Air Operated Double Diaphragm	< 56 m³/h < 8 bar
	Peristaltic (Hose)	< 150 m³/h < 15 bar
	Rotary Lobe Pumps	< 1 - 1500 m³/h < 12 bar
	Magnetic Coupled Gear Sliding Vane Tubular Diaphragm	< 300 m³/h < 150 bar
	Screw Pumps	< 3500 m³/h < 149 bar
	Diaphragm Pumps Metering Pumps	< 380 m³/h < 345 bar

Vacuum Pump Products

Manufacturers	Product	Specification Flow & Vacuum or Pressure
High and Ultra-High Vacuum Products		
 Agilent Technologies	Turbomolecular, Diffusion, Scroll, Starcell Ion Pumps, 2-Stage Rotary Vane, Leak Detectors, Valves & Fittings, Gauges & Controllers	Talk to our sales engineers for details of Agilent's wide range of vacuum products
 Dynavac VACUUM & AIR PRODUCTS	Dry Running Screw Type	Pumping speeds to 2700 m3/h Vacuum to 0.025 mbar
 Dynavac VACUUM & AIR PRODUCTS	Rotary Piston Pumps 2-Stage Rotary Vane Tri Lobe Boosters	Pumping speeds to 450 m3/h Vacuum to 0.005 mbar Pumping speeds to 540 m3/h Vacuum to 0.0005 mbar Pumping speeds to 2,800 m3/h Vacuum depends on system
 Agilent Technologies	Vacuum Gauges Controllers	SHIM Pirani Inverted Magnetron Bayard Alpert / Ion Gauge Controllers Mass Flow Controllers
 PRECISION Plus VACUUM PARTS	Spare Parts	Available for all brands
 Dynavac VACUUM & AIR PRODUCTS	Vacuum Chambers Vacuum Valves Vacuum Fittings Freeze Dryer Rotary Evaporator	Talk to our sales engineers for details of our wide range of products

Manufacturers	Product	Specification Flow & Vacuum or Pressure
Medium and Rough Vacuum Products		
 Dynavac VACUUM & AIR PRODUCTS	Rotary Vane Dry Running Claw Type Oil-Free Rotary Vane	Pumping speeds to 1,000 m3/h Vacuum to 0.5 mbar Pumping speeds to 500 m3/h Vacuum to 0.5 mbar Pressure to 2.2 Bar Pumping speeds to 250 m3/h Vacuum to -0.85 Bar Pressure to 0.6 Bar
 Dynavac VACUUM & AIR PRODUCTS	Side Channel Blowers	Pumping speeds to 2,050 m3/h Pressure to 1.0 Bar Vacuum to - 0.6 Bar
 Pneumofore	Large Capacity Rotary Vane	Pumping speeds to 3,200 m3/h Vacuum to 0.5 mbar
 GAST THOMAS A Carrier-Dresser Product	Diaphragm Piston Linear	Pumping speeds to 22 m3/h Vacuum to 10 mbar Pressure to 10.0 Bar
 Dynavac VACUUM & AIR PRODUCTS	Diaphragm Type Compressors and Vacuum Pumps	Pumping speeds to 5 m/h Vacuum to -0.95 bar Vacuum Pressure to 8.0 Bar
 ANVER CORPORATION	Vacuum Lifting Systems	Built to Specification



Dynapumps[®]

DYNAMIC PUMP SOLUTIONS

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