

ALPHA ELECTRICS

The Electric Motor Specialists

Tasmania's Largest Supplier of Electric Motors

Alpha Electrics is Tasmanian Owned and Operated and the States largest supplier and repairer of electric motors. Established in 1967, the business continues to grow and develop currently employing 50 staff members including 12 apprentices and many long time employees.

Sales and Repairs

Alpha Electrics' core business is sales and repairs of Electric motors and Drives, Generators, Pumps and Gearboxes. Practically everything we do is associated with electric motors. We are setting up each branch to cater for all pump repairs and servicing. We have a full range of Davey and Calpeda pumps and spare parts and we offer 24/7 pump breakdown support.

Over 60 years of Experience

Owners, Anthony Butler, Steven Philips and Stuart Paine have over sixty years experience between them having completed their apprenticeships and worked with the company for the majority of their working lives.

Statewide Service - 3 Locations

The business provides a statewide service from its three well equipped branches in Burnie, Devonport and Kingston in the South. All branches are fitted with a job tracking program that allows monitoring of all job processes whilst in progress and all the relevant information is stored for future reference if it is required. Staff at all branches are equipped to provide around the clock sales and servicing and can offer a pick up and delivery service for urgent work.

The Main Workshop - Burnie

The main workshop is fitted with one 8 tonne and two 3 tonne overhead cranes to allow us to freely move larger objects around the work shop. We also have a 4 tonne forklift to transport jobs between our two workshops and for unloading and loading trucks. The workshop is fitted with a 10 tonne balancing machine with the capability of balancing rotating equipment up to 8m in length and 2.8m in diameter.

New Electromagnetic Dynamometer

We can test AC & DC motors from 0 to 870 volts up to 800 amps along with 3300 volt motors up to 100amps. The new Electromagnetic dynamometer can load test motors and gearboxes up to 1200HP. We have a generator test bed able to test 2 bearing generators and they can be loaded up to 100 amps per phase by our load bank.

Machining and Fabrication

Our second building is set up to handle all the machining and fabrication work that may be required. Our machine shop is set up with mig, tig and arc welders, drill presses, tool post grinders, air guillotine, milling machine with a 1016mm x 400mm x 406mm bed and includes two 3 meter lathes with 600mm swing, a 4.5 meter lathe with a 1m swing. We have a number of presses on site with the largest press being 100 tonne.

Onsite Baking Oven

We have a main electric baking oven which is 5.1m long x 2.4m high x 2.3m wide. The oven allows us to dry out and bake larger equipment in shorter times. The rewinding of motors at our sites is completed to the highest of standards. The old motors are burnt out using a gas operated temperature controlled burnout oven. Once these windings are removed we can test the stator laminated core of the motors with our Phenix CL-25 core loss tester. By using the temperature controlled burnout oven and the core loss tester we can maintain the efficiency levels of the repaired motor.

Rewinds

All our rewinds are wound using class H insulation and dipped or vacuum impregnated using Isonel 31 varnish. The coils are wound on our Samatic auto coil winding machine. Rewinds up to 2400kW 11000 volts have been completed at our site. We have a Hipotronics Hipot tester which is able to perform tests up to 40,000 volts and all our rewinds and repairs are Hipot and Surge tested on our Bakers Digital Surge/ DC Hipot Tester.

Services we provide include:

- * Overhead cranes up to 8 tonne.
- * 4 tonne forklift.
- * Rewind facilities for low voltage and high voltage motors up to 800 amps AC & DC.
- * Motor and Gearbox load testing up to 1200HP.
- * Generator test bed up to 100 amps per phase.
- * Welder and power tools repairs.
- * Service and sales of Davey, Calpeda and Franklin pumps.
- * Pump repairs and services 24 hours a day 7 days a week.
- * Electrical contractors for repairs and installations.
- * Thermal imaging.
- * Fitting and machining.
- * Electrical testing of any motor AC/DC/HV on site and in workshop.
- * Urgent repairs and service of motors on site and in workshop 24 hours.
- * On site vibration and machine monitoring and laser alignment.
- * Dynamic balancing machine 10 tonne.
- * On site balancing.
- * Submersible pump repairs and sales.
- * Trailing cable repairs and sales.
- * High pressure water blasters.
- * Pick up and delivery services if required.
- * Authorised service centre for WEG Electric Motors.
- * Stockists of Bonfiglioli gear boxes.

OUR PARTNERS

Davey Pumps

Davey Pumps manufactures and distributes a comprehensive range of products for transfer, conservation, treatment and filtration of water and is a market leader in Australia and New Zealand exporting to more than 50 separate countries, servicing some of the toughest environmental and climatic conditions on the globe.

www.davey.com.au

Weg

By working in teams, Weg brings together the best of Knowledge, intelligence and skills to constantly improve our work and benefit our customers. All Weg products, processes and developments are driven by improving efficiency.

www.weg.com.au

Bonfiglioli

With expansion plans entailing a further growth of the sales network, Bonfiglioli aims at improving both the competitiveness of its products and the effectiveness of the customer service. www.bonfiglioli.com.au

Genelite

Genelite is a name synonymous with the supply of quality new and used equipment throughout Australia and the Pacific. The Genelite range includes leading brands such as Honda, Yamaha, Kubota, Cummins, FG Wilson, Caterpillar, Perkins, Denyo, Airman, Yanmar, Detroit Diesel, Vanguard, Nippon Sharyo, Mitsubishi, Komatsu, Isuzu, Lister, Lombardini, Deutz and Hino. www.genelite.com.au

Calpeda Pumps

A company leader in electric pump industry, is part of an industrial group that embodies metal materials foundries, companies producers of submersible bore hole pumps, a company operating in spa bath and shower industry and an IT company. www.calpeda.com.au

Acrodyne

Your partner in Actuation and Control - As a leading supplier in this field, Acrodyne boasts one of the largest ranges of actuation and control products in the market. Many of these products are stocked locally and can be provided as individual components through the vast reseller network or as custom designed assemblies providing creative solutions to end users many and varied application needs.

www.acrodyne.com.au

Philmac

Philmac is a global leader in the design and manufacture of specialist pipe fittings and valves, providing cost-effective solutions for the transfer, control and application of water. Philmac's products can be found in mines, on farms and rural properties, vineyards, golf courses, domestic and industrial building developments and the reticulated water supplies of towns and cities across the world.

www.philmac.com.au

Franklin Electric

Franklin Electric has expanded from a small motor manufacturing company into a leading global provider of complete water and fueling systems. Franklin has earned the reputation as a technical leader in all of its specialties, with products being used in residential, industrial, agricultural, municipal, commercial, and fueling applications.

www.franklinelectric.com.au

PumpEng

The PumpEng® range of pumps has been specifically engineered to offer optimal performance in the tough conditions encountered in the Mining Industry. PumpEng®, Australian owned and operated manufacture a series of de watering submersible pumps and a range of End Suction centrifugal bare shaft pumps. Many of our pumps and service parts are interchangeable with and are a cost effective alternative to Original Equipment Manufacturers like Flygt and Ajax. www.pumpeng.com.au

CONTACT US

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