

AUTOMATION & CONTROL



Automation Services

Fuji Automation products (PLCs, HMIs, SCADA and Servo Systems) are known for their advanced technology, simplicity and reliability. The Hardware conforms to International Standards and offers solutions for redundancy, remote and reliable communication protocols. Our team has vast experience in System integration and confidence in supporting our Fuji products.

Automation Services

Our team offers many years of experience in delivering automation and control solutions. Experience that involves designing, building, installing and commissioning automated systems for a broad range of projects covering different sectors of the industry. Being equipped with these skills has granted Jackson knowledge in the products we sell, enabling us to provide effective and continuous technical support for the items we offer. Our Automation Services department has gained specialized knowledge in Vessel Alarm Monitoring Information and Control Systems (VAMICS).



Featured VAMICS projects:

- Adagio: Length 22m
- Black Pearl: Length 31.5m (see image below)
- Bliss: Length 36.8m
- Bristolian: Length 37m
- Liara: Length 31.69m
- Liara II: Length 30m
- M.V. Golden Bay Cement Ship: 4000 tonnes
- Rio Tinto Tug Boats: Oita – Length 33m
- Rio Tinto Tug Boats: Pilbara Thor – Length 32m
- Shahtoosh: Length 22.9m

PLC Design & Service Industry Experience:

- Food & Dairy
- Refrigeration
- Water treatment
- Automated toilets (Exeloo)
- Power sub-stations
- Concrete Pipes Machinery Control
- Winch Control
- Plastic Machine Control
- Printing and Labeling Machines
- Elevator Control

For queries or to discuss your project please contact us on 0800 543 348 or sales@jackson.co.nz.



Automation Components

Hakko Monitouch HMI (Human Machine Interface)

V9 Series

An advanced range of display that provides a wide range of functionalities and compatibility with different PLC manufacturers. The V9 Series lineup helps to establish the most efficient information system fulfilling the needs of automation.

View Brochure for more information.



TECHNOSHOT Series

Compact yet highly functional, High resolution and high-speed response display with very competitive prices.

View Brochure for more information.

Hakko Monitouch TELLUS and V-Server

Remote monitoring and control software for different application, enabling real time data and information collection from sites.

Tellus and V-server software is compatible with a wide range of PLCs, temperature controllers, Servo and Inverter units.

View Brochure for more information.

Why Choose Monitouch Tellus & V-Server?

- Simple to use & low cost
- One software is used to program Touch Screen and SCADA system
- Very competitive price, based on license type (not number of Tags/Variables)
- Controlling and monitoring multiple projects from one PC (one license)

V8 & S8 Series (Discontinued)

Please contact us for advice on best replacement model and procedure.

Fuji

Fuji Programmable Logic Controller (SPH PLC)

Fuji SPH controller conforms to International Standard, both the hardware and software (programming language) conforms to the IEC 61131 international standard.

Module based system, compatible with Ethernet, LonWorks, DeviceNet, PROFIBUS-DP, AS-i, and other diverse open networks.

View Brochure for more information.

Fuji Programmable Logic Controller (SPF & SPF Plus)

SPF Standard: Relay output basic unit, suitable for system control. The standard unit is equipped with the calendar function.

SPF Plus: This option is suitable for positioning and control (servo) systems. The unit provides 4-axis pulse output function with a capacity up to 200 kHz. The unit comes with a calendar function and transistor (sink) type output.

View Brochure for more information.

Fuji Servo and Positioning Control System

Enhanced control and positioning features that reduces resonance and achieves stable and smooth operation.

Fuji Servo System consisting of Servo Amplifiers and Servomotors with simple operation and communication to any HMI, PLC or PC controller via Modbus communications. Product lineup consists of ALPHA 5, ALPHA 5 Smart and ALPHA 7 servo system (Amplifiers and Servomotors).

View Brochure for more information.



Company Overview

Founded by Jim Jackson in 1977, Auckland's Jackson Industries is a multi-faceted company providing diverse engineering expertise – from electrical equipment, through precision CNC machining and tooling, to composite structures and the development of bespoke polymers.

Innovation and development are the common themes running through the company's DNA.

Family owned-and-operated, the company's origins lie in electrical equipment – with an emphasis on

safety and quality. The company has grown to become Australasia's leading supplier of industrial power applications and portable power solutions, and is particularly well-known for its LIFEGUARD® power distribution systems. Developing and manufacturing the LIFEGUARD® product has created and nurtured niche engineering skills – an evolutionary process which has seen the establishment of specialist divisions within Jackson Industries.



Electrical

Manufacturing standard & customisable industrial quality power applications, portable power solutions and lighting systems for wherever safe power distribution is required.



Hire & Service

Hiring electrical distribution equipment to reticulate power around event and building sites. We also offer electrical services by skilled and qualified trades people to support the electrical safety requirements of our LIFEGUARD® range.



Precision Machining

Specialists in large format precision machining, composites and polymers across industries including marine, aerospace, television & film, construction, engineering, automotive and art & architecture.



Composites

Development and utilisation of custom GRP, carbon and aramid fibre component manufacture, and automated roto-moulding services.



Polymers

Providing capabilities in resin formulation and blending for custom applications. Developing specialist compounds to meet unusual composite engineering needs, such as our Caro-C tooling board.



Architectural Formworks

Utilising Jackson's reusable formliner products for small and large pre-cast concrete applications, we are able to create detailed moulds which are used extensively in architectural projects.



Electrical



Hire & Service



Precision Machining



Composites



Polymers



Architectural Formworks