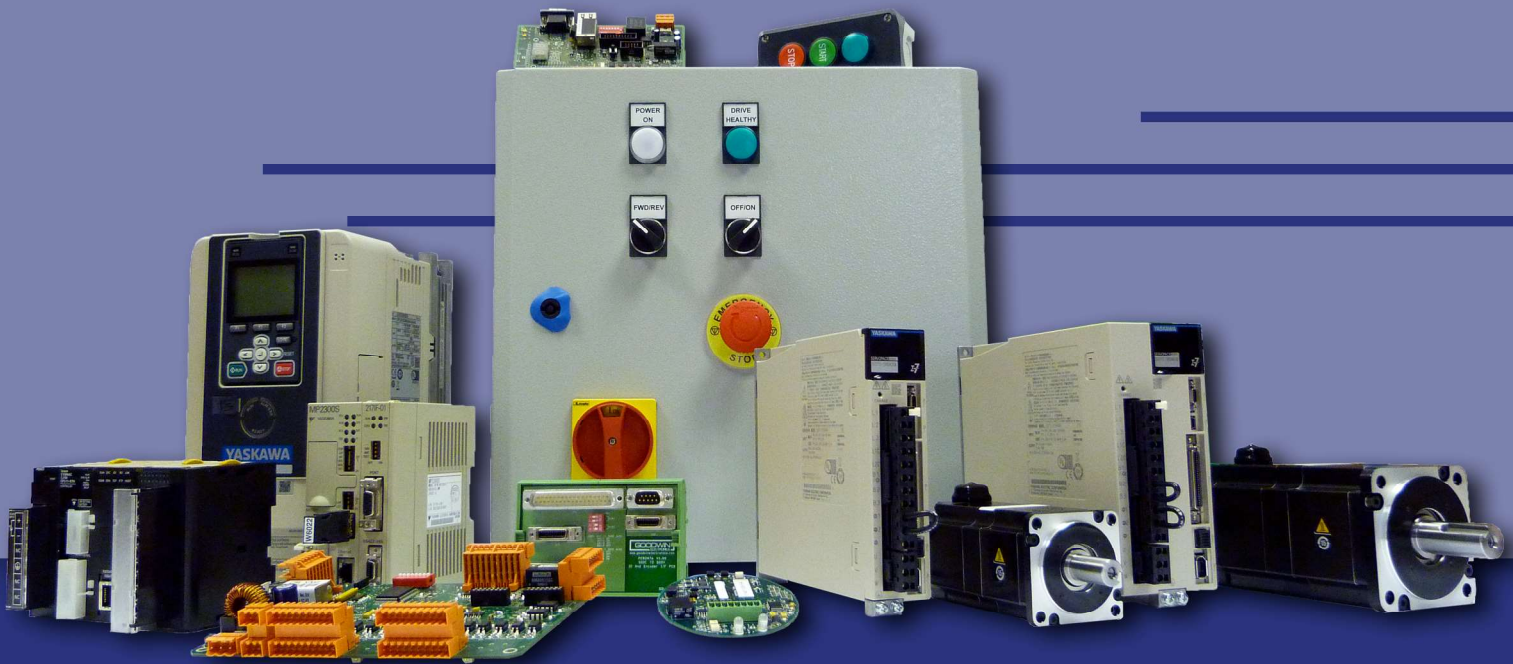


# Products and Services



Motion Control, Safety,  
Sensing and Panel Build

*In Partnership with:*

**YASKAWA**

 **GIVI MISURE**  
Measuring and control systems

 **Baumer**

**OMRON**

## Who Are We?

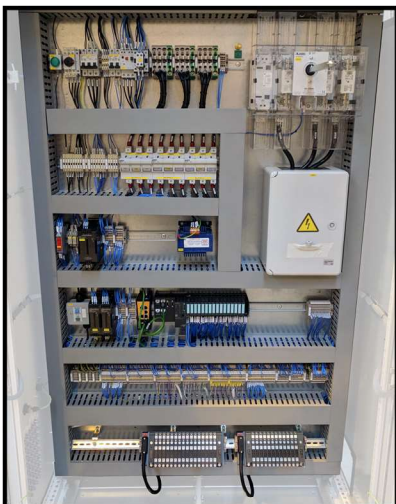
We are Goodwin Electronics, an engineering company with over 40 years experience in the design and manufacture of motion control systems, electronic positioning equipment and control software. Goodwin Electronics are highly experienced in motion control and system integration. We specialize in manufacture of cabinet fitted control systems, bespoke PCBs and embedded software.

Alongside our bespoke engineering work we also supply industrial control and sensing components. We have partnered with some of the most well respected names in the industry to be able to offer you a wide range of high quality products.



## Complex Multi-Stage Projects

Over the years we have been involved in numerous projects for a variety of customers looking at a wide range of differing complexities and demands. We are able to offer customers complete support through from initial project design to the commissioning of the finished product.



## Key Industries

- Leisure
- Pharmaceutical
- Canning
- Labeling
- Steel Production
- Automotive
- Medical
- Packaging
- Material Handling
- Food & Drink
- Machine Tools
- Construction
- Aerospace
- HVAC
- Computer Equipment
- Health & Beauty
- Bottling

## Control Panel Design and Build

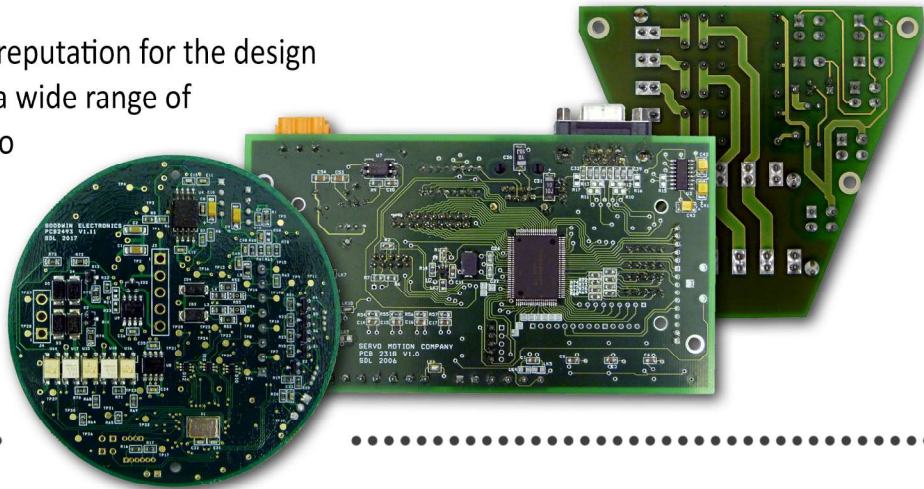
We can offer a complete system design & build and have the capability to supply a full turnkey package - from initial specification and drive sizing, through electronic and PCB design & build, panel and electrical design & build, embedded software and custom software, installation, commissioning and servicing.

As well as our own turnkey solutions we are also very proud to represent some of the world's leading brands in motion control and industrial automation.



## PCB Design

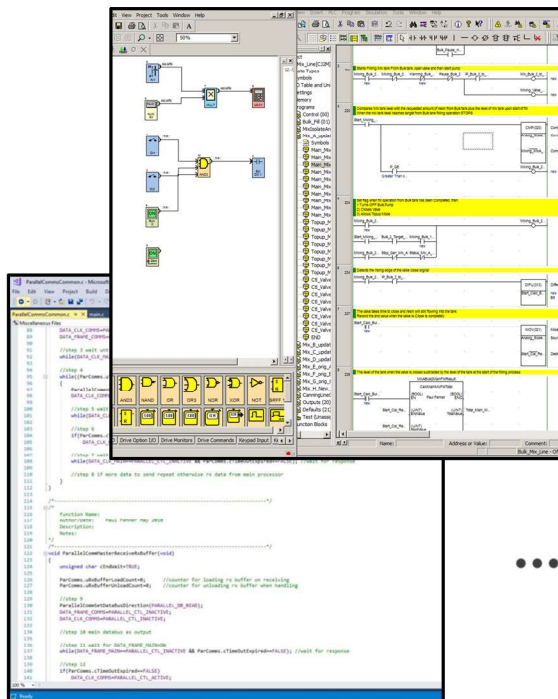
We have established an excellent reputation for the design and build of specialised PCBs for a wide range of applications. We have the ability to take your requirements - which may not be met by standard products - and design a custom product specifically to satisfy your criteria.



## Software

As with most electronics companies involved in control and motion applications, software engineering plays a large part in design and development work carried out, whether in development of specifications or programming of the operation or testing the final system.

Our team has experience in a variety of programming environments and skill in embedded software and Yaskawa Motion Control software both standard and IEC, as well as Omron PLC ladder and scripted functions, HMI design for Omron and VIPA units and Yaskawa Inverter DWEZ programming.



## User Training

At Goodwin we recognise that inverters, servo drives and especially motion controllers are a specialist field that not everyone is familiar with and many customers will wish to implement and support their own installations. Often customers have not previously used the equipment we supply and can benefit from even a short training course.

At Goodwin we are able to provide tailored training in house or online Yaskawa Inverters, Servos Drives and Motion Controllers and of course for our own products.



# YASKAWA

## Goodwin Electronics is proud to be a Performance Partner and Distributor for Yaskawa.

For nearly 100 years Yaskawa have been supplying high quality mechatronic products, becoming one of the world's leading companies for motion control products. Yaskawa manufactures some of the finest AC inverter drives, servo drives, servo motors, motion controllers and PLC systems.

Goodwin Electronics has been partnered with Yaskawa for over 20 years and during that time we have learnt the ins and outs of all of their products and have used many of their inverter, servo, and motion controller products on a wide variety of projects.

### Inverter Drives

Yaskawa are the world's largest AC inverter drive manufacturer, a position they have achieved due to their superb product quality, reliability and continuous technological developments.

Their latest GA500 and GA700 range have been designed with size and flexibility in mind.

These drives come with a variety of functions and features which aid in setup/installation and can extend the life of the drive.



### (VIPA) PLC Systems

VIPA have a over 30 years experience in the field of PLC and distributed controls, much of this experience has been gained from working with one of the largest PLC companies in the world.

Their range of controllers can all be programmed using WinPLC and/or STEP7 from Siemens and they have some very powerful and extremely fast products.



### Servo Motors and Drives

Yaskawa's Sigma servo are some of the highest performance systems available in the industry with a wide range of models and options to match application requirements. Outstanding response and settling time with advanced auto-tuning including real-time adaptive load count.

The Sigma 7 is the latest iteration of the Sigma range and is designed to be as reliable, space saving and easy to operate as possible.



### Motion Controllers

Yaskawa's MPiec Machine Controllers offer a wide range of hardware for applications ranging from 1 to 62 axes. All controllers are equipped with the reliable MECHATROLINK motion network.

- Built-In Toolbox- makes programming easy.
- Reusable Code Library- allows for simple setup across multiple machines.
- Scalable- all MPiec systems utilise the same software regardless of size.



Call us on: 0151 334 4555



## Goodwin Electronics is proud to be a UK Distributor for Baumer



Baumer is known around the world as a leader in the field of sensor solutions and Goodwin Electronics, being vastly experienced in all aspects of the automation industry, are well placed to help and advise you.

### Sensor Solutions

Baumer are renowned throughout the world for their detection and distance measurement. Goodwin Electronics are able to help specify the right sensor for your application.



### Encoder Solutions

Baumer have gained a reputation for having some of the best encoder systems on the market. If it is an absolute, incremental, heavy duty or bearingless encoder you are looking for, we can find the right unit for the job.



### Process Instrumentation

Level, Temperature and Pressure measurement is something Baumer have been associated with for many years and is a market where precision is key. With our experience and support we can help you with your process requirements.



## Goodwin Electronics is proud to be a Specialist Engineering Partner for Omron



Omron manufactures advanced industrial automation products and have a rapidly expanding product range. Goodwin Electronics are happy to be able to offer the Omron range to all of our customers. Omron have recognised Goodwin Electronics for our technical expertise, our vast knowledge and our ability to help our customers find solutions to their automation requirements.

Omron offer an impressive range of frequency inverters suitable for a vast range of applications. General-purpose inverters, ranging up to 400kW, include the RX2 and MX2 ranges. With a range of standard and optional I/Os Omron inverters are amongst the most widely used in Europe.



### Other products include:

Motors and Drives | PLC's | Vision Sensors | Fibre Sensors | Laser Sensors | Inductive Sensors  
Capacitive Sensors | Measurement Sensors | Delta Robots | SCARA Robots  
Mechanical Switching | Safety Sensors | Safety Switches | Rotary Encoders  
Control Components | Switching Components.

Visit us at: [www.GoodwinElectronics.com](http://www.GoodwinElectronics.com)

**Goodwin Electronics is proud to be the  
sole UK distributor for Givi Misure**



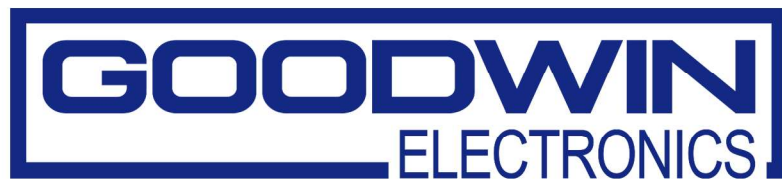
For over 30 years Givi Misure has been designing and producing high performance optical scales, rotary encoders, digital readouts, positioning controllers and magnetic systems. As the sole UK agent for Givi Misure we are able to offer these high quality products at a highly competitive price and with the support expected of a top class manufacturer.

## **NEW! GVS Linear Scales**

This new line of high quality general purpose linear scales are available in a wide range of variations. From the GVS 202S self-aligned incremental optical scale, with stainless steel grating; to the GVS 919 absolute magnetic scale. Givi Misure ensures there is a scale to fit your needs, no matter how big or small.

### **Other Products Include:**

Optical Scales | Magnetic Systems | Enclosures | Rotary Encoders  
Digital Readouts | Position Controllers



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