



QUALITY BY DESIGN

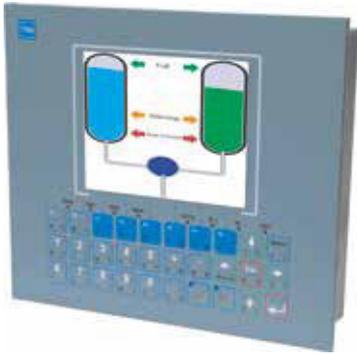


ALC1000

Tank Contents Control

Capable of reading/logging sensors and displaying graphical or numeric data, the ALC is flexible and reliable with a bright display enabling good visual readability from a distance.

Alternatively program alarms or control pumps and fans to ensure your process runs smoothly day to day.



Drives

A range of cost effective drives with various power ratings and supply voltages are available from stock or special order.

- DC Servo
- AC Servo
- Inverter
- 500W-2KW DC



ProCut

Procut is a backgauge control system that is designed for both new build and retrofit systems.

With many installations around the world kits are shipped fully tested for a smooth trouble free installation.



Chemical Industry
 Agriculture
 Food Processing
 Drinks Industry
 Level Monitoring
 Stirring & Mixing

Customisation Service

TRM can customise most products to suit any application. From just changing a logo or colour scheme to designing circuit boards and full controllers.

Many versions of software can run on our range of controllers.



Overlays can be customised.



CNC Control

Suitable for many XYZ applications where precision control is required. CAM generated G-code can be previewed and run on the PMC CNC controller. Router Machines, Milling Machines, Lathes and Grinders can be accurately controlled with this system. Independent operation or as part of a cell is possible with the ability to download programs via communications ports.



Motion Control

A range of controllers are available that can control many different machines.

Single or multi-axis, Stepper or Servo, open loop or closed loop are some of the control options available.

Easily programmed using MAP programming language.

Simply choose the command from the menu and enter the data required for that command.

Many sequences can be programmed calling external sub-routines, images and child programs.



GOTO Position Control

There are many applications that do not have complex needs, often the operators just want to enter and cut to a single dimension. Applications for this type of control include, Saws, Guillotines, Slitter, drilling etc. The TRM GoTo is ideal for these types of applications, the built in I/O makes the process safe and efficient, even installation is simple too.



Electrical & Mechanical components



A Selection of our Automation Partners



Smartsan is an innovative UK manufacturer of light curtains and safety relays. The guards give excellent protection and service life and can be quickly fitted to most machines.

Multifunction safety units are designed for medium and high risk applications like CNC machines and guillotines.



CONTROL TECHNIQUES



Control Techniques is a leading manufacturer of motor control and power conversion technology for commercial and industrial applications. Their innovative products are used in the most demanding applications requiring performance, reliability and energy efficiency.

RENISHAW 
apply innovation™



Renishaw is one of the world's leading engineering and scientific technology companies, with expertise in precision measurement and healthcare. The company supplies products and services used in applications as diverse as jet engine and wind turbine manufacture, through to 3D printing, dentistry and brain surgery.

DC & AC Motors

Motors are available from stock and to special order. With DC, AC and AC Servo motors available there are few machines that we do not have a solution for.

As we like to “go the extra mile” we can pre-mount pulleys, gearboxes and also machine brackets to suit.



Machine Types

CNC Routers

Labelling Machines

Custom Machines

Drilling and Cutting

Punch Press Controllers

Backgauge Controllers

Mixing Controller

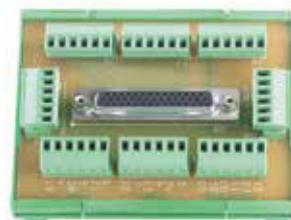
Machining Service

To allow motors to be mounted on a variety of different machines we can manufacture brackets to drawings supplied and also arrange for reduction gearing to be mounted as shown below.



Cabinets

TRM can design and manufacture customised electrical cabinets to suit most applications, ensuring the customer receives the best solution at a competitive price.



Pulleys & Belts

Timing pulleys and belts are supplied to many customers around the world as they provide a low cost solution to gearboxes. In certain applications a gearbox will be needed and our engineers will discuss your requirements and source a suitable product.



Sensors

Sensors are needed on most machines where control is needed.

From setting home positions to detecting cycle positions, quality sensors are a must have!!

Encoders & Resolvers

A range of Magnetic or Optical Rotary or Linear Encoders are available and can be supplied attached to a motor and terminated with a connector to the customers specification.



Cables

We can also manufacture cables to any specification required including fitting specialist plugs, glands and trunking.



Authorised distributor



TRM International Ltd. 86 Moss Road Southport, PR8 4JQ, UK.

www.trminternational.com - email: sales@trminternational.com Tel: +44 (0) 1704 563777