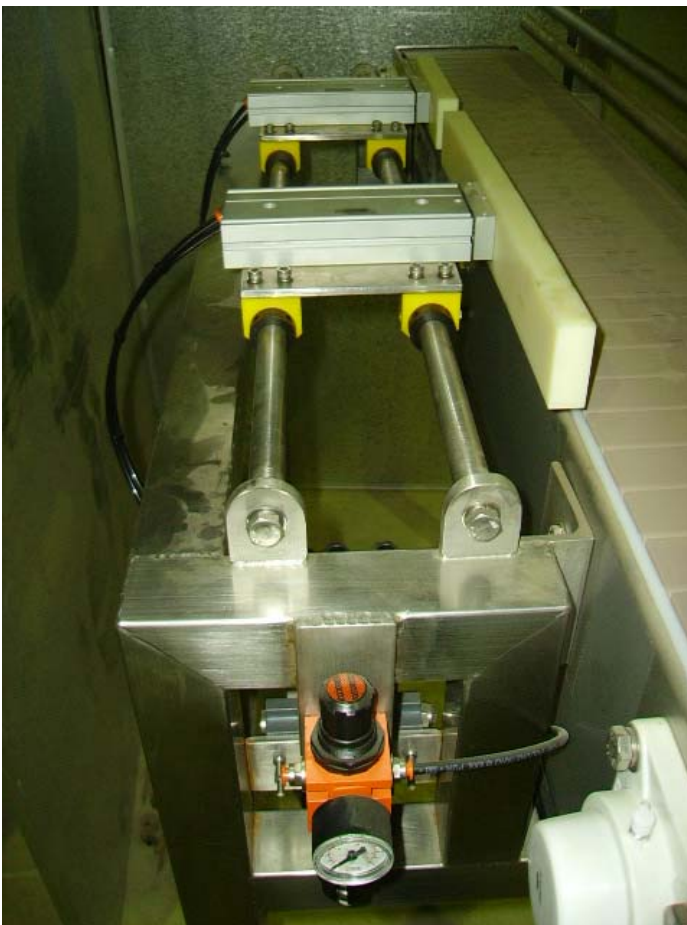


## Application

Cantech Engineering design and build a wide range of machinery for the food and packaging industry.

One of their recent jobs was a conveyor system where they needed cylinders to adjust between different product sizes, and also clamp, separate and square product ready for pickup by a robot.

In this type of application one option is to build your own guide system using off-the-shelf bearings & guide rods and use a standard pneumatic cylinder to move the guide. Cantech Engineering chose to use a guide unit with integral cylinder which reduced the amount of components they had to purchase



**Guide units used to switch between product sizes**

plus it came as a ready to use assembly.

After initial consultation regarding the project Metal Work provided a full set of parts right down to the last fitting which saved Cantech Engineering time and ensured every thing needed was ready when the machine was being built.

Another recent application required a control system for a machine that de-stacked different sized boxes so that they could be fed one at a time into a wash machine and then re-stacked them after washing.

Their customer insisted on a pneumatic control system because it was going into a wet area so Cantech Engineering approached



**Manifold mounted valves reduce assembly time**

Metal Work for a pneumatic control design that they could build and commission themselves

A shift-register circuit was designed to control both the de-stacker and stacker. Because if the different sizes of boxes that would be used there was a main shift register with a branch into a secondary shift register which repeated a number of times depending on the box size. Finally returning to the main shift register to complete the stacking/de-stacking.

The system was supplied in kit form along with drawings, cylinders, flow controls and limit switches needed to complete the installation. Cantech Engineering staff built the circuit to our design and had the system quickly commissioned and ready to go to their customer.

What Cantech Engineering want from a pneumatics supplier is the availability of a complete design service, fast supply of product and, of course, competitive pricing.

Metal Work offer this plus we can provide support and backup in the form of training, commissioning, troubleshooting etc.

If you have an application and need a circuit designed or the supply of a complete system including installation then please contact us so we can arrange a site visit.