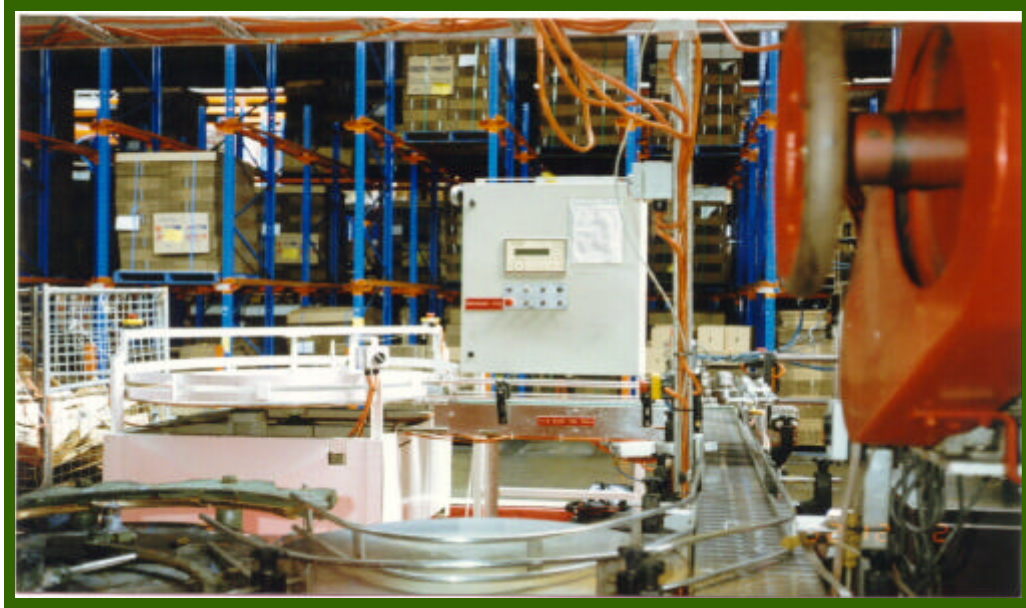


HOLMAN ENGINEERING



Servo Motor Controllers

A wide variety of machines and processes have been automated by Holman Engineering using multi axis servo systems. Most of these systems use an industrial PC and special purpose software developed by Holman Engineering.

Above, is a photo of bottle filling machine, which had the control system developed by Holman Engineering.

Below is a photo of a winding machine which also had all of the control developed by Holman Engineering.



EXCELLENCE IN ENGINEERING

HOLMAN ENGINEERING

Automation of a Bottle Capping Machine

Holman Engineering developed a PC based control system for a special purpose bottle capping machine. The machine is pictured below, with the Industrial PC being located in the bottom section of the machine, and a custom display and keyboard (also designed and manufactured by Holman Engineering) located on the arm which extends out the right hand side of the machine



The control system controls 3 servo motors, a variable speed drive, numerous valves and other outputs. The man-machine interface is very user-friendly, and allows the easy configuration and operation of the machine.

The software also provides running statistics, and diagnostic information to assist with both quality control and fault finding.

The photo below shows the spindle that rotates the bottles and the capping head. Each cap is individually tightened to a specific torque which is configurable from within the software. The software is very flexible allowing its use on many different types of machines.

