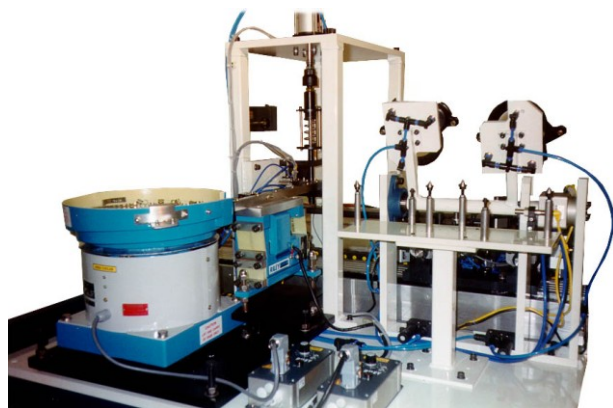
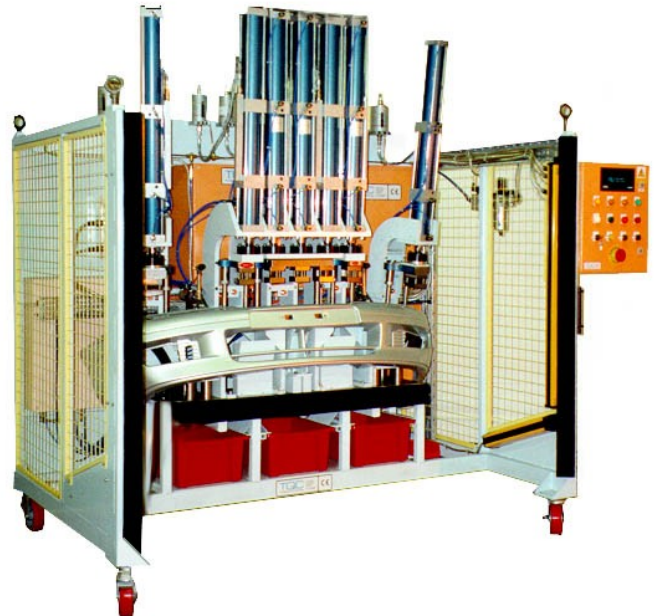


Plastic Components – Processing and Assembly

TQC has extended the range of modular performance support facilities currently in use in the automotive and pharmaceutical industries with a series of machines specifically for the alteration of plastic moulded components.

Although a modular design approach has been used throughout, all the equipment supplied to date has been of a bespoke nature.

Shown on the right is a sophisticated multi punch machine that allowed a common vehicle bumper moulding to be pierced in a variety of ways in order to serve the specific model requirements.



The photo below shows how TQC linked an air test facility with an automatic insert placement operation enabled a simple quality control function to be incorporated into the process—inserts were only fitted to components which passed the leak test.

The modular design concepts used are sufficiently flexible to serve the most complex of handling and assembly processes.

The facility shown above, incorporated component movement mechanisms, pick & place devices, servo-position driven actuator and ultimately the punch unit which drives inserts into mouldings two at a time, before being discharged from the machine.

