

Twin Station Series 40

Standard Leak Testing Equipment

TQC have recently developed a low cost, standard leak testing machine with integral or bus system plc control. The machine incorporates a Nolek S9 leak test instrument which allows a dedicated leak test valve module per test fixture with a single panel mounted display unit.

To increase throughput, a twin station machine is available allowing a single operator to work alternately between the two fixtures, or two operators working independently on each fixture.



The above unit incorporates:

- Standard aluminium extrusion bench framework
- Universal fixture areas
- Light guard access to each station
- Fully automatic sealing fixture
- PLC control system
- Built in Nolek S9 leak test instrument
- Standard operator interface panel
- Suitable for medium to high volume applications



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The Application of Technology

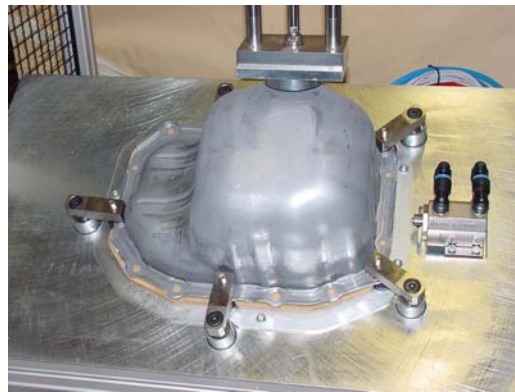
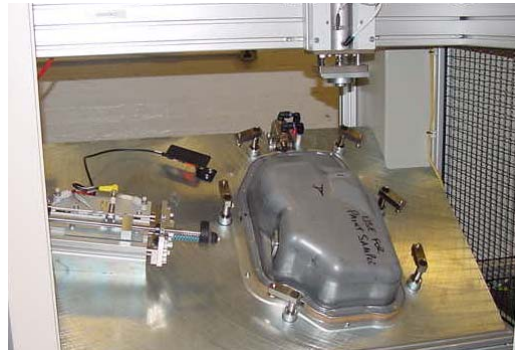
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The machine displayed shows the testing of pressed steel oil sumps which were tested by a single operator at a rate in excess of 1 every 30 seconds.

The fully automatic sealing fixtures include a pass marker unit. The leak test was performed at a differential pressure of 1 bar with maximum leak rate of 200mm³/sec.



The S9 has taken air leak test technology to the limit by combining the most sensitive pressure differential leak test valving with the most advanced front-end interface available.

The S9 has an architecture that enables up to five functional valve modules to be connected to a single front-end interface, allowing simultaneous testing of five volumes. Each module has an electronic pressure regulator for setting the test pressure automatically from the Instrument.



The series 40 units are configurable for either over-pressure, vacuum or dosing applications. If you are currently considering a simple leak test application contact TQC to discuss your requirements

