

Automotive Brake Parts Test Machine

Leak & Flow Testing

TQC have recently developed an innovative system for the automatic testing of high specification brake parts.

The operator manually loads a part into the machine and connects the test line to do it.

Firstly, an air flow test is performed to check for blockage. If successful, the part is automatically shrouded in a close fitting test chamber and 3 successive leak tests are performed using a Nolek type S9 differential leak test instrument as follows -

1. Intermediate pressure leak test (including piston movement check)
2. Low pressure leak test— 0.5bar
3. High pressure leak test— upto 160 bar.

Good parts are pass stamped on completion.

Two stations allow the leak tests to be carried out on one station while the flow test is carried out on the other and vice versa.

To allow testing of different sizes and types of parts, interchangeable tooling is supplied.



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The Application of Technology

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