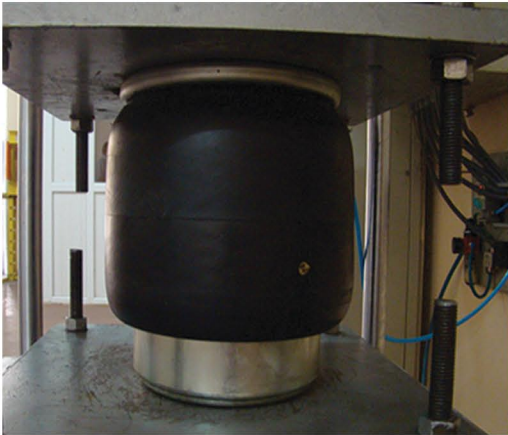
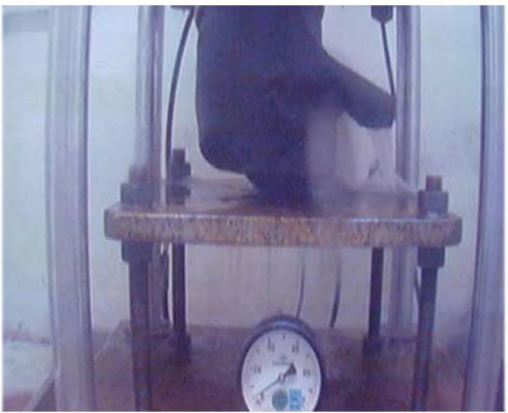


# QUALITY CONTROL



## 1. Expansion and Lifting Test

Air Springs are designed to provide balanced transportation of heavy loads. Therefore it should be checked whether the air springs have the required expansion and lifting rates. This is done by replicating the load lifting conditions of the vehicle in service. Since the tests are performed by computer, it is possible to determine the diameter expansion according to the lifting force in every pressure level. Test results are summarised and compliance with specification is verified by engineers.



## 2. Burst Test

Burst tests are performed to determine maximum resistance pressure of air springs. In order to ensure work safety, air springs are inflated in a closed chamber. Consequent burst pressure is verified in accordance with product test specifications. Burst tests are also performed with computer control.



## 3. Product Life Test

Products are put through a life test in order to determine the performance of the air spring. During this test the air springs are installed to a see-saw rig, replicating the movement of the vehicle, and then set to work in a proper ride height and under maximum pressure conditions.

Pressure and expansion levels are recorded and traced by computer. Tests are summarized in graphs and tables, then the accuracy and compliance of the results is specified by engineers. These results are then used as an indicator in research and development activities, product improvements, corrective and preventative actions. Blacktech air springs are tested for millions of cycles without product failure or performance degradation.

Blacktech air springs are exclusively available from

