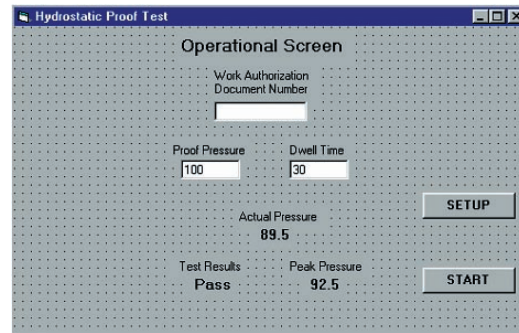
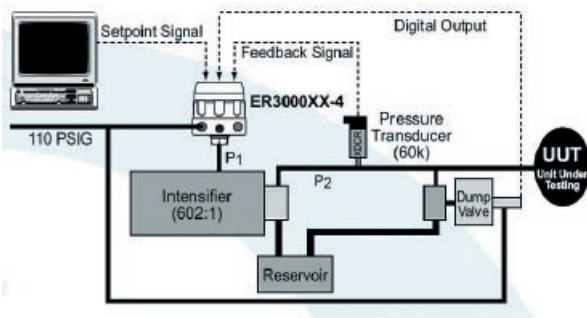




Test Stand

Hydrostatic Test Stand





The test stand allows hydrostatic durability and tightness test up to 60.000 psi (4.000 bar) of components for the aerospace industry.

Tasks:

- Tightness test at constant pressure, visual inspection of leakage.
- Burst test applying a slowly rising pressure slope.

Technical description

Loading	Manual
Test Part	Safety valve, shut-off valve, pressure regulator
Test medium	Water
Test pressure	Max. 60.000 psi (4000 bar), 3 pressure ranges
Temperature	Room temperature
Accuracy	± 1 % relative to full scale of pressure range
Control system	PC control of the test cycle, Visual Basic Data acquisition by National Instruments boards
Features	1 part under test. Pressure generation by a pneumatically driven pump. Electronically pressure control by an ER3000. Automatically test cycle with shut off if part fails. Archiving of test results.

The design and the technical parameter are selected for this application and can be changed according to customers needs.