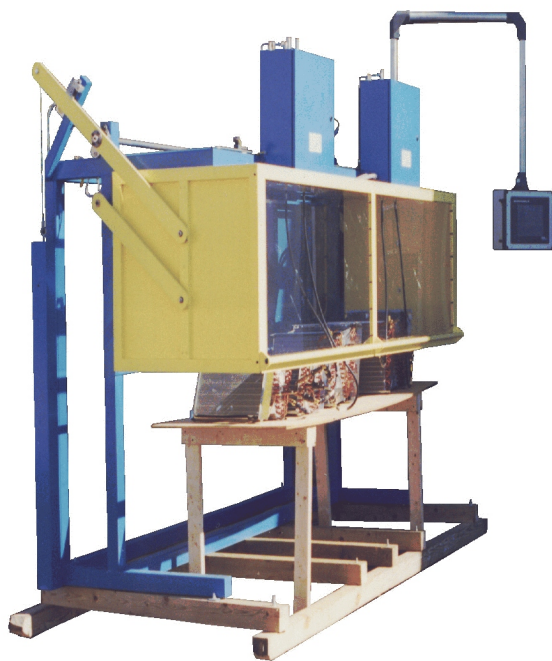




## High Pressure U.L. Burst with Pressure Decay Leak Detection

SPE's High Pressure Burst with Leak Detection systems automatically test products or components at pressures up to 650 psig. (300ksm). Using dry air or inert gases to satisfy UL criteria while incorporating our latest advancements in pressure decay technology (individual or comparative test techniques) to quickly identify components or products that leak during the same operation. This high pressure leak test will reject 95% - 98% of the defective products produced in the brazing area. Single or multiple stations systems are available to satisfy your production requirements.

SPE's Combination Burst and Pressure Decay Leak Test machines are:



- \* **Automatic** - The High Pressure Decay Leak Test is fully automatic and hands free.
  - \* **Saves money** - eliminates leak testing of components under water as a standard procedure. Eliminates drying operations.
  - \* **Safe** - Aluminum and LEXAN shield is mechanically and electrically interlocked.
  - \* **Gross leaks eliminated** - performing a UL Burst and High Pressure Decay Leak test will result in the detection of 95% to 98% of the leaking components.
  - \* **Quality improvement** - Insuring leak free products is the most important process on your assembly line.
- 
- \* **More efficient** - Touch screen operator interface provides for fast changeover times and increased production line throughput.
  - \* **Dependable** - Repeatable results. All components are field proven for durability and dependability.
  - \* **Systems expandable** - Options include: Data acquisition Network interfaces, Bar coding scanning, and Modem communications.
  - \* **Single or multiple systems**- available to meet your production requirements.

## Technical Specifications

### Description

The high pressure system is designed to perform a UL burst and pressure decay leak test on multiple units.

1000 psig.	Maximum working pressure
±0.01 psig.	Resolution during pressure decay test.

### Operation

Quick disconnect hoses are attached to the quick fittings on the units. The protective shield is manually lowered over the units, and is mechanically and electrically interlocked. Dry air or nitrogen is charged into the units, to a specified burst pressure. The units are then isolated from the supply by precision high pressure valves. The program goes to a time delay before test. This time period allows the pressure, in the units, to stabilize. The SPE pressure decay system can monitor the pressure at ± 0.010 psig. resolution, @ 600 psig. working pressure. Multiple unit systems use SPE 's Compare Mode testing. This mode of testing increases sensitivity and reduces Takt. times.

SPE We offer complete turn-key systems or individual equipment for your specific production line requirements. We can provide conveyors, fixtures, leak test fittings, operator training. Our extensive expertise can assist you in finding the answers for your manufacturing needs. We can design and build the solution for you. Contact us. We are ready to help you.

### Controls

The operator controls consist of a color touch screen for messaging and data entry. Manual operators are used for the repetitive operations. A Programmable Logic Controller (PLC), controls the operations of the machine. Full diagnostic program locates problems fast.

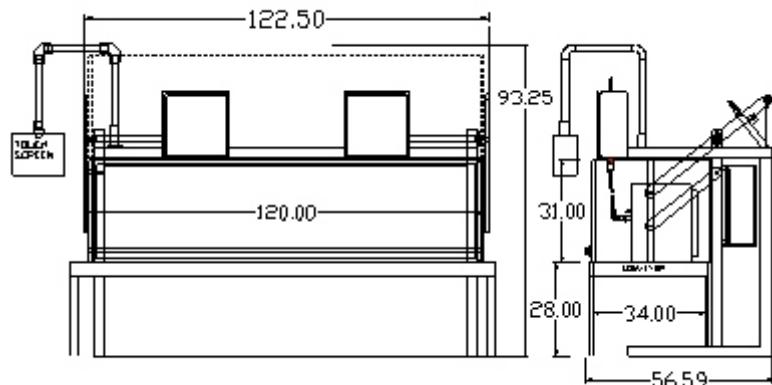
### Options

Bar code scanning.  
Ethernet data exchange.  
Modem communications.

**Construction:** Heavy duty steel frame. NEMA 12 electrical and pneumatic enclosure mounted on steel frame. 4 Station machine dimensions are: 122.5 x 93.25 x 60 inches.  
LEXAN safety shield. 120 x 31 x 34 inches.

Will design to accommodate your particular requirement

**Power requirement:** 120 v, 1Phase, 60 Hz.



*Since Special Process Equipment has a policy of continuous product improvement, we reserve the right to change design and specifications without notice. Copyright © 2000*

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