

SBPR Tester facilitates the implementation of a STM (Standard Test Method) for resistance of materials used in Protective Clothing to Penetration by Synthetic Blood. This STM developed by ASTM/ISO helps assess the effectiveness of materials used in protective clothing for protecting the wearer against contact from body fluids that potentially contain blood borne pathogens.

This test method is normally used to evaluate specimens from individual finished items including gloves, arm shields aprons, gowns coveralls, hoods and boots and individual samples of materials that are used as material for protective clothing.

**Performance**

- Touch key operation for selection of test standards and classifications
- Programmable Controller based operation for precision timings as per STM
- Two stage Precision air pressure controls for graded pressurisation of Test-Cell
- Each Independent Test-Cell can test simultaneously different Standards
- High precision Sensors with 0.01 Kpa accuracy to achieve the desired STM parameters
- Test-Cell with Slide-in-Slide-out easy mount options
- Test-Cell quick release coupling and Hose for trouble free operation
- SITRA Performance Validation certification for the Tester



**Standards Adopted for testing in SBPR Tester**

**ASTM F903, ASTM 1670 \***  
**IS 16546:2016 \***  
**ISO 16603:2004 \***

**Features**

- Apart from all the above tests future test standards upgrade possible
- Test Fail recording on touch screen to record timing of failure with time stamp
- Test-CELL and spill handling tray Material of Construction SS 3304
- PLC/Micro Control with Touch Screen Display for menu driven operations including SCADA Monitoring and Iot functionality
- Provision for ease of calibration of the equipment through a menu option



Control System with HMI

**Reliability**

- Rugged structure capable of several simultaneously test for long hours
- 3 Years warranty for the components as an option
- High precision valves with SS piping for long years of operation



Test Cells



## THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION

13/37, Avinashi Road, Coimbatore Aerodrome Post, Coimbatore – 641 014

Phone: 0422-2574367-9, 4215333, Fax: 0422-2571896, 4215300

E-Mail: [info@sitra.org.in](mailto:info@sitra.org.in), Website: [www.sitra.org.in](http://www.sitra.org.in)

# APPLIED

## Applied Automation Systems Private Limited

SF No 415, Codissia Road, Peelamedu Coimbatore - 641 004 India

Mobile : +91 9487553082, +91 9443033016

[info@aaapl.net](mailto:info@aaapl.net)

[www.aaapl.net](http://www.aaapl.net)

