

# FlexiBurn

Multi-purpose flammability tester



## Programmable User Interface

FlexiBurn is equipped with a convenient and robust Control Module. The Module stores test data. A test report may be exported straight to a printer (connected directly to the Module). Alternatively, data may be sent to and stored on a remote PC.



**You can use FlexiBurn for testing the ignition and flame spread properties of apparel, curtains, drapes, nightwear, toys, protective clothing, technical fabrics, building and other materials.**

For each material, there are applicable British, European or ISO standards, which set out the precise conditions for these very critical tests.

To ensure full compliance with these standards, we offer a comprehensive range of gas burners, interchangeable test frames and test materials.

There is also an optional Test Chamber, which meets the stringent conditions, dictated by the standards, and minimises risks to the health and safety of your operators.

## Radiator Assembly

FlexiBurn can comply with BS EN 13772 'Burning behaviour - curtains and drapes - measurement of flame spread with large ignition source'.

This standard evaluates flame spread, using a more severe ignition source. Heat, generated by a radiator, is applied to the lower back

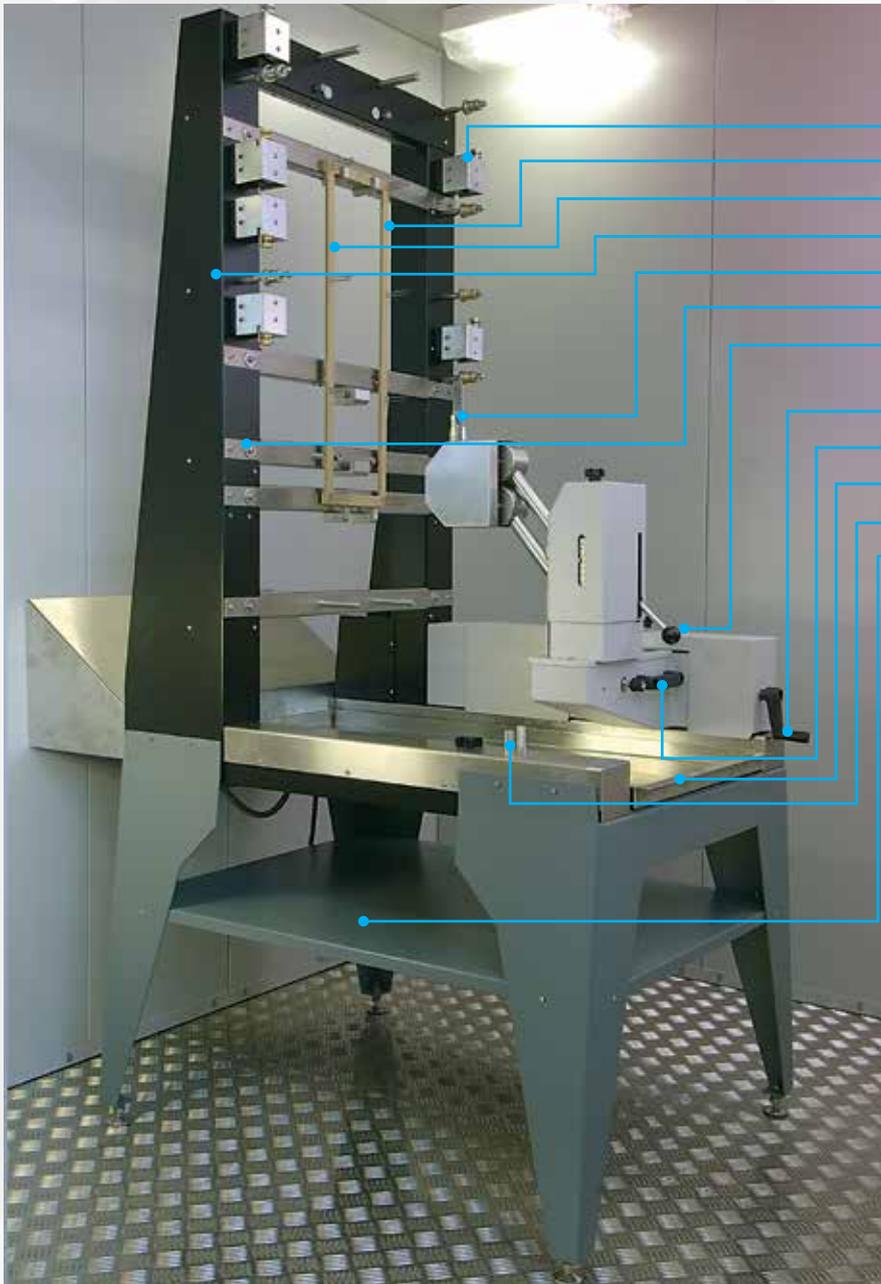
side of the specimen. A small flame is then applied to a piece of cotton fabric, fixed around the bottom edge of the specimen.

The optional Radiator Assembly is part of a complete kit, containing everything that you need for testing to this standard.

## Multi-Purpose Flammability Tester

- Marker thread switch
- Interchangeable test frame
- Frame stubs & pins
- Heat resistant finish
- Automatic ignition
- Removable cross piece
- Operating lever for robotic arm
- Burner to specimen adjustor
- Gas flow regulator
- Removable debris tray
- Burner setting gauges
- Tray for accessories

Standards		
BS		
BS5438	BS 7837	BS 5722
BS 5867-2	BS 6249	
EN		
EN 1101	EN 71-2	EN 13772
EN 1102	EN 13722	EN 1624
EN 1103	EN 14878	EN 1625
EN ISO		
EN ISO 6940	EN ISO 6941	EN ISO 15025
Marks & Spencer		
M&S P116		
Other		
SATRA TM225 (PM225)		
IMO Resolution A. 471(XII) A.563(14)		
MSC.61(67)		
CAN/CGSB-4.2 No. 27.10		

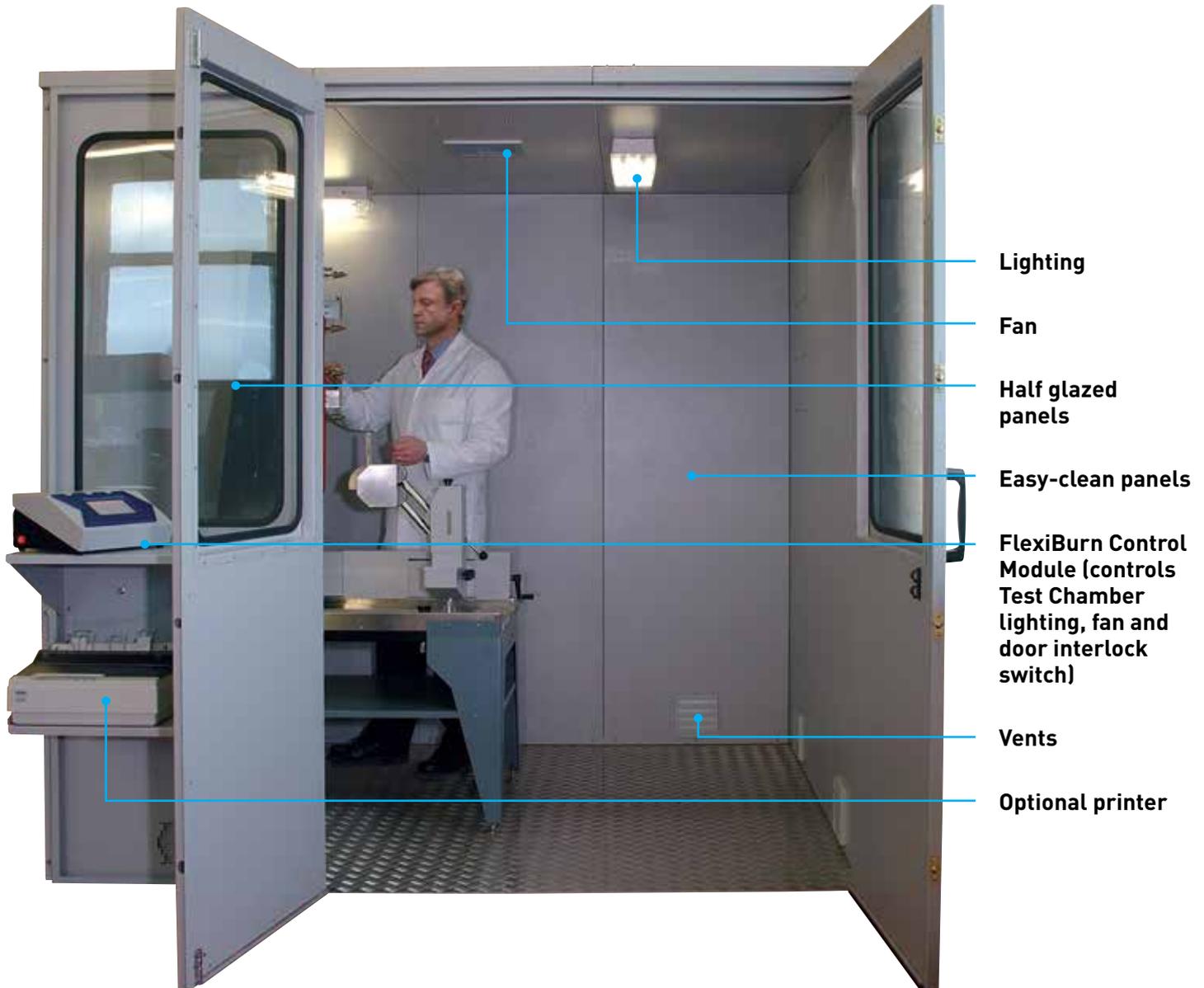


## Equipment Selector

STANDARD	FLEXIBURN	CHAMBER	BURNER	TEST FRAME	MARKER THREAD	FILTER PAPER HOLDER	FILTER PAPER	RADIATOR ASSEMBLY
BS 5438:1976 tests 1 & 2								
S 5438:1976 test 3 (BS 5722:1984)								
BS 5438:1989 tests 2A & 2B								
BS 6249:1982 part 1								
BS EN 1101:1996 (80 x 80mm)								
BS EN 1101:1996 (200 x 80mm)								
BS EN 1102:1996								
BS EN 1103:1996								
BS EN 1103:2005								
BS EN 71-2:2011 (Cage)								
BS EN 71-2:2011 (45° frame)								
BS EN 13772:2011								
BS EN ISO 6940:1995 (80 x 80mm)								
BS EN ISO 6940:1995 (200 x 80mm)								
BS EN ISO 6940: 2004								
BS EN ISO 6941: 2003								
BS EN ISO 15025: 2002 tests A & B								

# FlexiBurn Test Chamber

Optional purpose-designed chamber



## FlexiBurn Test Chamber

Flammability testing should not be conducted in the open, because of the flames, smoke and gas, generated by burning materials. So as not to influence the ignition and burning process, the standards specify a minimum volume of 4m<sup>3</sup> of surrounding air, and an air speed (at the start of a test) of less than 0.2m/sec. Although a room can be adapted to meet these requirements, it is much safer and easier to use the purpose-designed FlexiBurn Test Chamber.

The Test Chamber is not a fully fire-proof cabinet. It is designed to contain the flaming material and the fumes generated by burning textile and similar specimens. Should you have other applications in mind, please consult first with us!