



SPEKTRAL

BİLİMSEL CİHAZLARI

**Horizontal/Vertical
Flame Chamber**

UL 94

UL 94 SPECIFICATIONS

The device measures the burning rate of plastics and composite materials in horizontal or vertical positioning.

Horizontal Burning Test: UL 94HB (ASTM D635, IEC 60695-11-10, IEC 60707, ISO 1210).

Vertical Burning Test: UL 94 V-0, V-1 or V-2 (ASTM D3801, IEC 60695-11-10, IEC 60707, ISO 1210). 500 W (125mm)

Vertical Burn-in Test: 5VA or 5VB (ASTM D5048, IEC 60695-11-20, IEC 60707, ISO 9772).

Thin Material Vertical Burning Test: VTM-0, VTM-1 or VTM-2 (ASTM D4804, ISO 9773).

Horizontal Burning Foamy Material Test: HF-1, HF-2 or HBF (ASTM D4986, ISO 9772).

Burners (ASTM D5025, ASTM D5207, ISO 10093, ISO 103351)



The device in accordance with UL94 standard;

To provide evacuation of burning products 1.0 m³ volume chamber made of material coated against corrosion.

There is an exhaust system with a silent fan for the discharge of the combustion chamber.

Led light is positioned for illumination of the combustion chamber.

Observation window made of heat-resistant glass for easy viewing and safety.

Fully adjustable horizontal and vertical sample supports.

Angle adjustable for burner positioning (0 °, 20 °, 45 °)

INTERNATIONAL STANDARDS

UL94:2000, IEC 60695-11-10&20, ASTM D635, ISO 1210, ISO 9772

GPrecise gas control system including gas flow meter, pressure regulator and pressure gauge

Flame length adjustable burner and wing tip type burner compliant with ASTM D5025 standard.

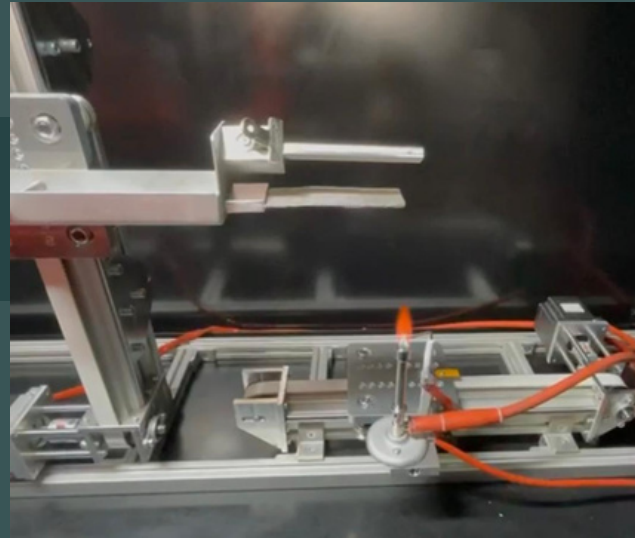


Automatic Burner System

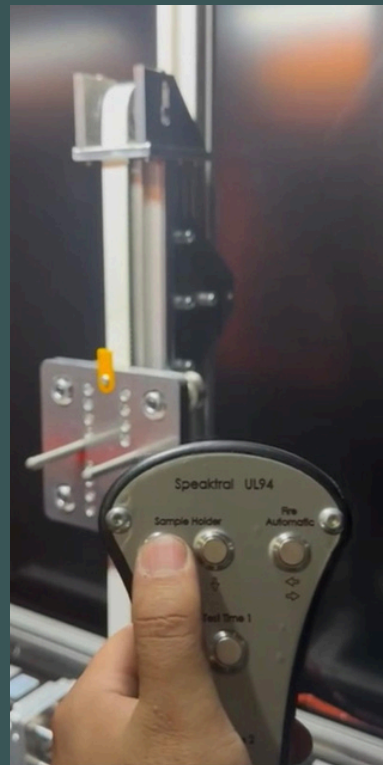
The motorized burner provides ease of use and user safety during analysis.

Technical Specifications

Model Name	UL 94 / FS	UL94/ SS
Fully Automated System	X	-
Semi-automatic System	-	X
PLC control	X	-
Remote Control	X	X
5 Experiment Test Recall	X	-
Robotic Mechanism	X	-
Sample Holder with Modular System	X	-
Automatic Fire Lighting	X	-
Manual Fire burning	-	X
Automatic Burner Adjustment	X	-
Manual Burner Adjustment	-	X
Automatic Experiment Start	X	-
Automated Experiment Completion	X	-
Manual Test Start / End	X	X
Controlled timing from software	X	-
Digital Timer	-	X
Software Controlled Experiment Parameters	X	-
Software Controlled Result calculation	X	-
Manuel Deeney Result Calculation	-	X
Fan Chimney System	X	x
Gas valve system	X	-
Repeatability	%1-3	%5
Options;		
* Gas Leak Detector		
*UL 94 lower workbench		



Digital Touch Operator Control Panel
Ease of use is provided by the touch panel.
Gas flow rate, test times, burner burning time, motorized burner movement speed and test results are monitored from the panel.
In-cabin lighting and fan system are controlled.



Five test specimen holders in accordance with UL 94 Method

- The world's first and only Robotic UL 94
- User friendly
- Your safety at the forefront new remote-controlled combustion tester
- Experiment result calculation with the help of advanced software
- Optional portable stand option that does not occupy space on your laboratory bench
- Software option in the language of your choice
- Ease of testing thanks to software
-

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