

KASON HDT-V6 Series Vicat Heat Deflection Testers



Application:

HDT-V6 is an advanced Heat Deflection Temperature (HDT) and Vicat Softening Point Tester built for high-precision thermal testing of plastics and polymer materials. Designed with six testing stations, it offers efficient, high-throughput performance ideal for research laboratories, quality control environments, and materials certification tasks.

During operation, each specimen is subjected to a constant load and heated at a standardized rate in a controlled oil bath, allowing the system to monitor both temperature and deformation in real time. When paired with the optional software package, users can generate real-time deformation vs. temperature graphs for detailed material evaluation.

Standards:

ISO 2507,ISO 75,ISO 306,ASTMD 1525,ASTM D648 and the equivalent.

Technical Specifications:

Model	KASON-HDT-V6	KASON-HDT-V6W
Numbers of test station	6	
Control Interface	Touch screen	PC control
Sample Frame	Automatic	
Temperature range	RT~300°C	
Heating rate	120°C/h,50°C/h;	
Max.temperature error	±0.5°C	
Deformation measuring range	0~10mm	
Max deformation error	±0.005mm	
Deformation resolution	0.001mm	
Heating medium	methyl silicone oil	
Cooling method	Natural cooling (> 150°C); Water cooling or natural cooling(< 150°C)	
Power supply	AC220V, 50Hz	

Features:

1. Automatic lifting mechanism provides stable and reliable performance.
- 2.The performances of specimen frame lift,offload,limit space,load can be finished during the lifting procedure,which make the breakthrough in the world.
- 3.Precision Testing with Minimal Variation: Maintains tight temperature control within ±0.5。 C, ensuring reliable and repeatable test results.
- 4.Automatic Smoke Exhaust System: Enhances lab safety and cleanliness by extracting fumes during high-temperature tests.
- 5.Application of digital micrometer with communication interface brings the top class performance in mechanic &electronic controlling ability and software technology.
- 6.Independent Temperature Protection Circuit: Prevents overheating and safeguards internal electronics and components.
- 7.PC & Touchscreen Control: Offers an intuitive interface for controlling test parameters, viewing graphs, saving results, and generating reports.

FOCUS IN MATERIAL TEST

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