

HDT/VICAT Testing Machine | HVT Series



HVT302A 3-station

泰州万湖试验设备有限公司 SHENZHEN WANCE TESTING MACHINE CO.LTD.



HVT302C 6-station

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Functions

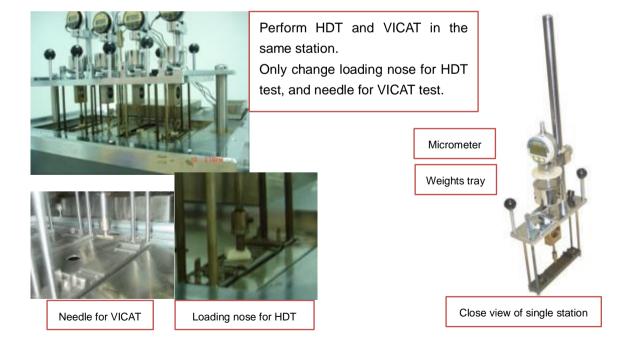
This series of HDT/VICAT testing machine is mainly used to determine temperature of deflection under load and Vicat softening temperature of thermoplastic plastics, pipes and fittings.

Standards

ISO2507, ISO75, ISO306, ASTM D648, ASTM D1525 GB/T 8802, GB/T 1633, GB/T 1634

Features

- > HDT and VICAT test can be conducted at the same time
- > Switzerland made high precision micrometer provides high accurate displacement measurement with high stability
- Up to six test stations, maximally up to six deformation transducers, and one temperature transducer
- All test stations are motor-driven, raised from the bath by the touch of a button on the control panel, allowing easy placement of the test specimen
- Water cooling and nature cooling are available
- Professional test software with friendly interface, easy to operate
- Once the software is started, the test is completely automatic and is performed according to the user-defined program. Upon test completion, it will automatically cool the bath to the starting temperature in preparation for subsequent tests. Using tap water, the temperature of the silicon oil can be reduced from a maximum of 300°C to 20°C.



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Test software

- > Friendly and easy operation interface
- Test resume function when a sudden shutdown happens
- Powerful monitor function on test curve
- > Test curve can be real-time zoomed in
- > Multi-station test curves can be generated on a single report
- > Test report can be printed out
- > Test report can be exported to EXCEL for review and print



HDT test curve

VICAT test curve

Specifications

Model		HVT302	HVT302	HVT302	
Туре		A	В	С	
Test station		3	4	6	
Immersion bath		1	1	1	
Heat transfer medium		Methyl Silicon oil			
		Viscosity: 300 cSt, or 300 mm ² /s			
		Known silicon oil brand: DON CORNING PMX-200 350 cSt,			
		Shin-Etsu KF96-300			
		Or transformer oil			
		10#			
Temperature	esensor	1	1	1	
Temperature range		Ambient (20°C)~300°C			
Temperature accuracy		±0.5°C			
Heating speed	Speed A	5±0.5°C/6min			
	Speed B	12±1°C/6min			
Micrometer		3	4	6	
Deformation measurement range		±5mm			
Deformation r	Deformation resolution		0.001mm		
Deformation measurement accuracy		0.003mm			
Vicat Loading	Vicat Loading capacity:		GA=10N±0.2N, GB=50N±1N		
HDT test		Method A: USE FIBRE STRESS 1.80Mpa			
		Method B: USE FIBRE STRESS 0.45Mpa			
		Method C: USE FIBRE STRESS 8.00Mpa			
Maximum heating power		4500W 5000		5000W	
Power requirements		AC380V±10% 50HZ 15A			
Dimension (LxWxH)		645x670x1450mm		835x670x1450mm	
Weight		200kg		280kg	
Cooling		Nature cooling or water cooling			

Standard accessories:

Model	HVT302	HVT302	HVT302
Туре	A	В	С
Main frame	1 set	1 set	1 set
Test stations	3	4	6
Swiss Micrometers	3 sets	4 sets	6 sets
Temperature sensors	1 set	1 set	1 set
Loading nose for HDT	3 sets	4 sets	6 sets
Needle for VICAT	3 sets	4 sets	6 sets
Weights set (50N)	3 sets	4 sets	6 sets
Test software	1 set	1 set	1 set



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