



AGILE, ROBUST,
SMART LAB SYSTEM.
SUSTAINABILITY AND RESILIENCE.

AL VIC VICAT TEST MACHINE

Standards

HDT ISO 75, ASTM D 648

VICAT ISO 306, ASTM D 1525



Thermoplastics materials can be characterized by different testing methods Vicat / HDT is one of the main testing methods. It is based on measuring whether the temperature is within the accepted range when a standard needle tip pierce / stick 1 mm into the sample. Database management, system network.

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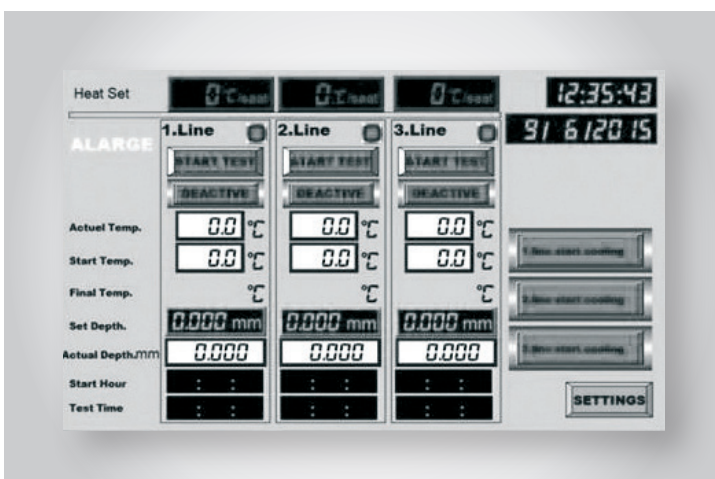
AL VIC VICAT TEST MACHINE

TECHNICAL SPECIFICATIONS

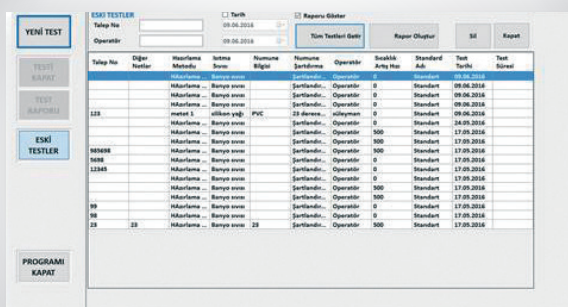
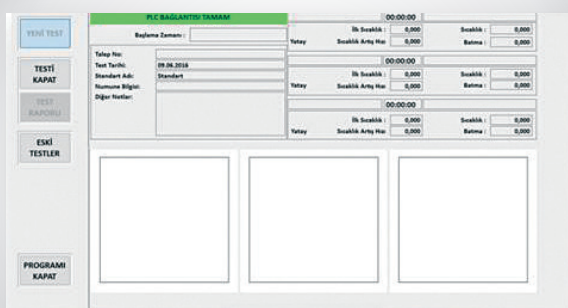
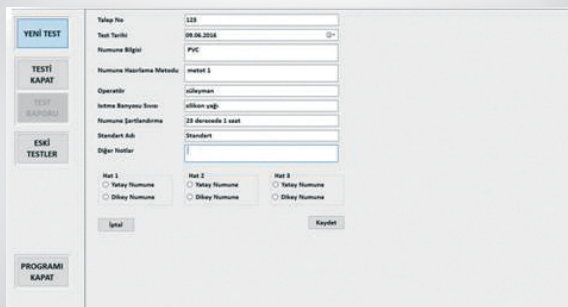


- Ability to test 6 samples at the same time
- Compliance with test frequency
- Fast cooling attachments
- Highly reliable results
- Compliance with scientific studies
- Extremely low failure statistics
- Extremely low maintenance costs
- Ability to work with silicone or other industrial oils
- 1 mm² polished needle
- High level weight accuracy
- Stable frame / ergonomic desktop design
- Functional control design

- ✓ 0.2% position measurement resolution
- ✓ ± 0.1 ° C temperature measurement accuracy
- ✓ Linear temperature rise
- ✓ ± 5 ° C Homogeneous temperature distribution
- ✓ 10.1", 5.7" and 7" touch screen options
- ✓ User-friendly, fast screen switching
- ✓ AL VIC / HDT Software
- ✓ Sample dimensions (width, length, thickness) entry option



AL VIC/HDT SOFTWARE



- ✓ Temperature linearity curve
- ✓ Needle edge displacement curve
- ✓ Data table with time
- ✓ Result table
- ✓ User interface
- ✓ Real-time graphical display
- ✓ Report with company logo
- ✓ 15.7 "Touch PC display
- ✓ PDF Windows 10 convertible report format



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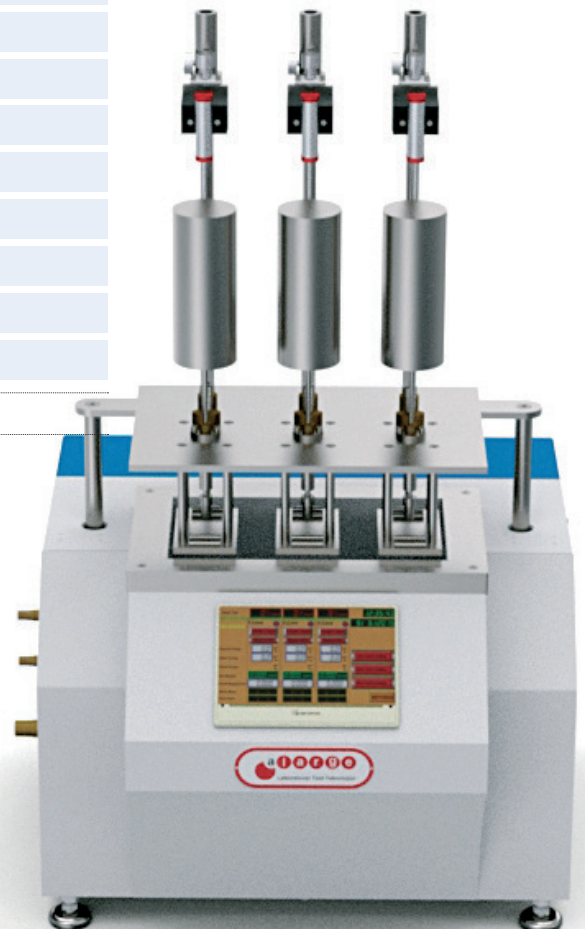
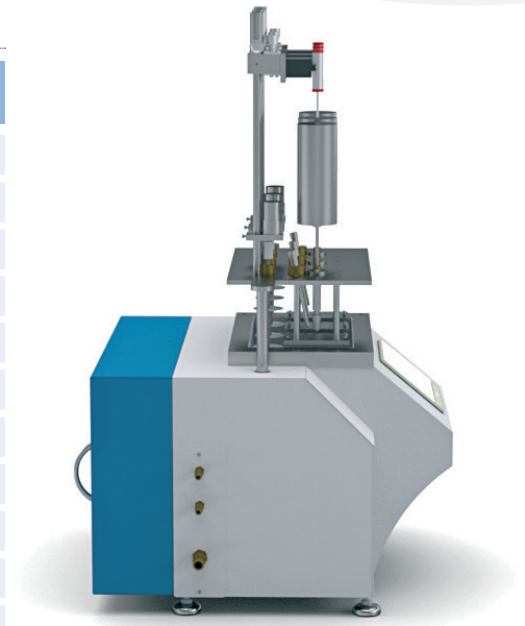
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AL VIC VICAT TEST MACHINE TECHNICAL SPECIFICATIONS

MODEL	AL-VIC
Number of Lines	1-3-6
Number of Chamber	1-2
Temperature Range	20-300 °C
Temperature Increase	Adaptive control and PID
Temperature Accuracy	0,1°C
Fast Cooling System	50-120 °C/h
Measurement Resolution	0,001 - 0,005
Measurement Sensitivity	0,1%
Weight	10 N - 50 N
Weight Sensitivity	0,0005 kg
HDT Test	<input type="checkbox"/>
Operation	TouchScreen PC / PLC
Software	✓
PC	✓
Standarts	ISO 75, 306, ASTM D 648, 1525
Height	1010 mm. max
Width	660 mm
Length	650 mm
Weight	50 - 70 kg
Power	220 V

Available ✓ Optional Not Applicable ✗



Technical Identity:

Ability to test with high sensitivity and accuracy, Homogeneous temperature distribution

Usage Identity:

User-friendly interface, High definition test, easy to test and report. Database management, system network.