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.
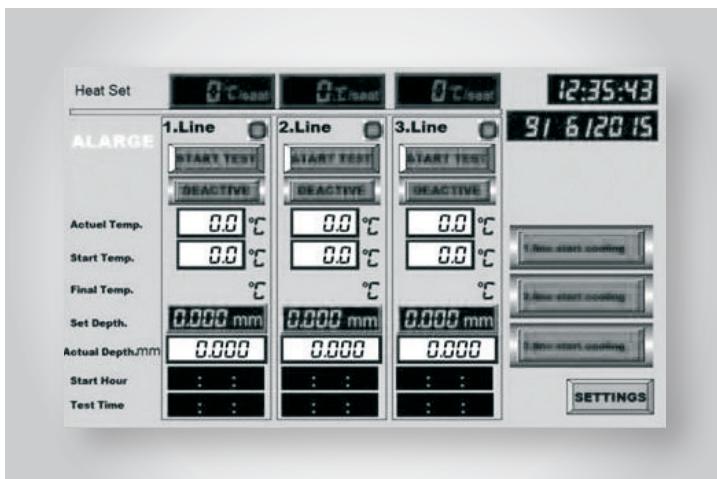
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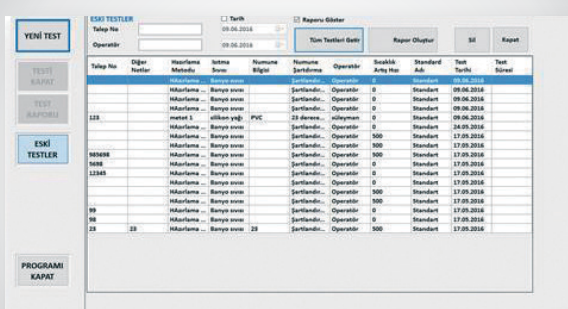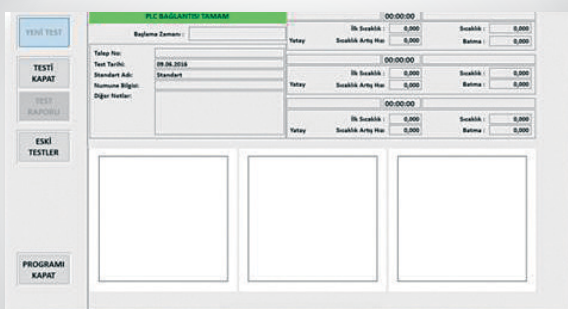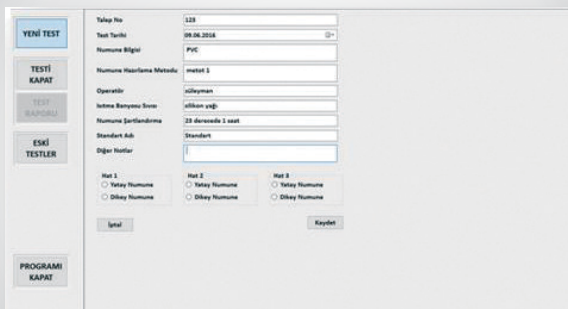
TECHNICAL SPECIFICATIONS

- 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 mm^2 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

✓ 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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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	❏
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.