

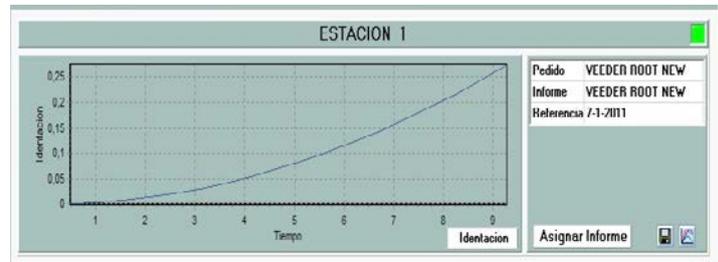
“VICAT / HDT” TESTER VHDT-30 model

Laboratory Tester to determinate the VICAT softening point and Deflection Temperature Under Load “HDT” in plastic materials.

According to standards: ASTM D 648 - ASTM D 1525 - ISO 75-2 - ISO 306 - DIN 53460 - DIN 53461 - UNI EN ISO 75-2, UNI EN ISO 306

□ Graphic representation DEFLECTION / TEMPERATURE

□ Measurement of DEFORMATION by LVDT sensors



The **VICAT** softening point is the temperature to which a flat needle of 1 mm² enters into the sample to a depth of 1 mm.

HDT is the deflection temperature under load expressed as the temperature to which the sample reaches a determinate arrow.



* Included: Testing Software & All in Once PC of 20"

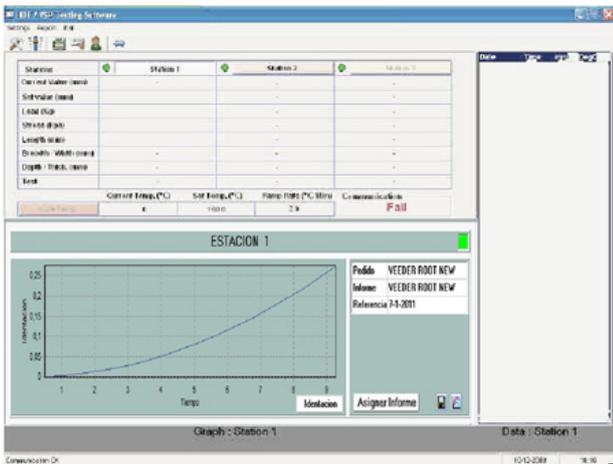
Ref. 8031 – VICAT/HDT test equipment for 3 stations - model. VHDT-30 (Oil tank capacity approx. 8 l)

- Solide Construction
- Internal parts of the bath in stainless steel. The design of the internal volume is studied in a way that it is sure perfect thermal exchange, both warming and cooling alike. Control of Temperature by PID and Pt-100 sensor.
- Working Temperature: From Room Temperature to 250 °C
- Resolution: +/- 0,1 °C
- Accuracy: +/- 0,2 °C
- Warming speed: 120°C / Hour and 50°C / hour (configurable)
- Test stations equipped with lineal displacement sensors with range of 10 mm and resolution of ± 0,01 mm
- Set of 16 weights for each test station included in the delivery: 2 of 5 g, 2 of 10 g, 2 of 15 g, 1 of 25 g, 1 of 50 g, 1 of 100 g, 2 of 200 g, 1 of 500 g, 1 of 750 g, 1 of 845 g y 2 of 2000 g

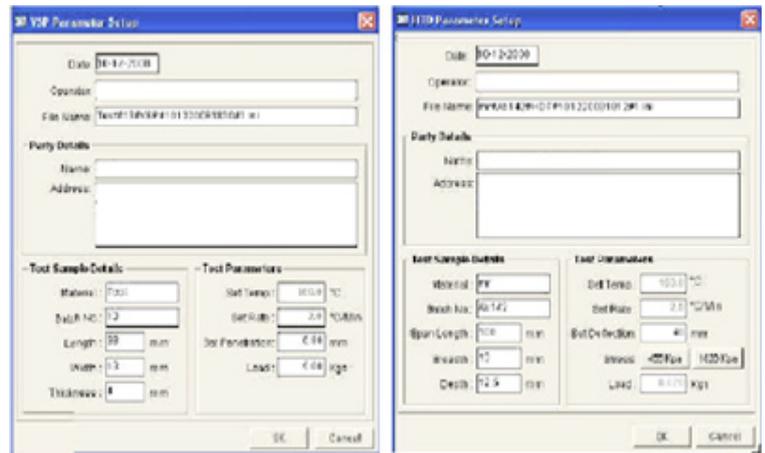
Code. 7797 (5l Tank) Thermic Synthetic Oil for maximum Temperatures of +300°C (not included in the delivery)

Code. 8225 (5l Tank) Thermic Synthetic Oil for maximum Temperatures of +250°C (not included in the delivery)

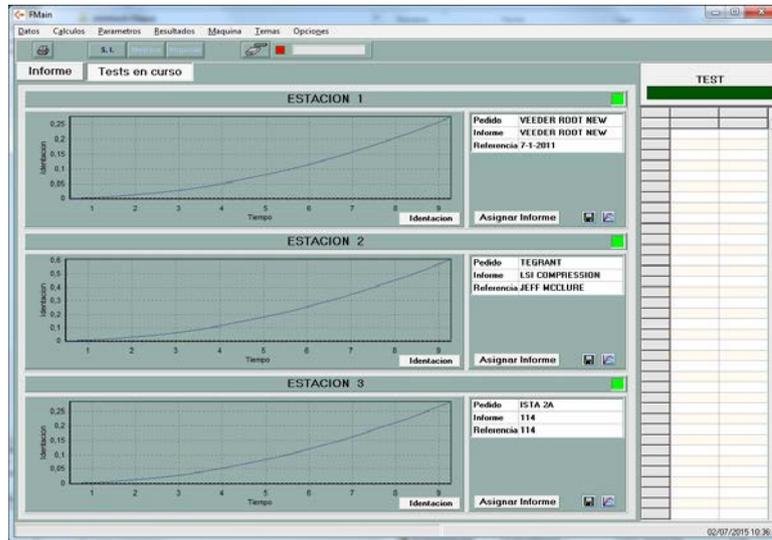
1) Main Menu of the Software where visualize the different test stations



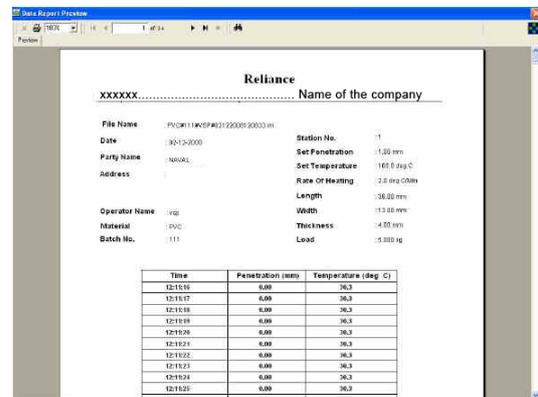
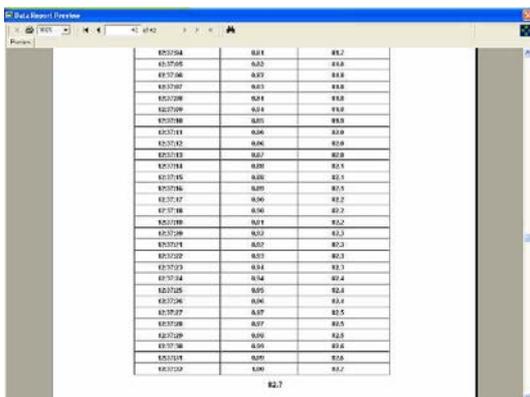
2) Selection of the test to carry out: VICAT or HDT



3) In the case of VICAT test, it can be selected weights of 1 or 5 Kg. In the case of HDT test, given that it is required the calculation of the load, it must choose between 455 Kpa or 1820 Kpa.



4) Test report, in its graphics it can be enlarged by a zoom function in order to improve the visualization.





Code. 8547

OPTIONAL: Recirculating Cooler “CHILLER”

- Temperature range between -10 and + 30 ° C
 - Equipped with Centrifugal Pump
 - Cooling Power at +20: 520 W
 - Temperature Stability: ± 0.1 ° C
 - Tank Volume: 2.65 liters
 - Maximum flow 6.8 l / min
 - Maximum Pressure 0.3 Bar
 - Dimensions: 50.8 x 25.4 x 43.2 cm
- Includes connection hoses and fittings



CONNECTION:

Power: 220 V Mono-phase 50 Hz (2,5 Kw)

* **OPTIONAL** 110 V single-phase 60 Hz

WEIGHTS AND DIMENSIONS:

Equipment Dimensions: 780 x 540 x 540 mm. (Width x Depth x High)

Dimensions: 1100 x 810 x 800 mm (Width x Depth x High)

Box 2 400 x 250 x 270 mm (Width x Depth x High)

Net / Gross Weight : 102 Kg / 175 Kg

Net / Gross Weight :transformer: 25 Kg / 48 Kg

STANDARD DELIVERY:

- > VICAT/HDT equipment
- > Set of 16 weights for each testing station
- > 1 LVDT Sensor to measure lineal displacement for each station
- > Software for HDT / VICAT test + All in One PC+ O.S. Windows Box 1



* TECHLAB SYSTEMS, S.L. reserves the right to do any technique modification without advance notice