

Automatic Marshall Stability Machine

Automatic Marshall Stability Machine is designed to evaluating stability and plastic flow (Marshall tests) of bituminous paving mixtures automatically. The two Stainless Steel Columns structure make machine rigid and sturdy. Crosshead height is quickly and accurately changed using the adjusting nuts. When the Marshall specimen is input to the breaking head to test, just need to push start button, the lower plate goes upward with 50mm/min(5in/min) until the to max. frailer point, the lower plate comes back to initial position and the stability and flow results can be seen on 7in touch screen display per N and mm. Also the graph of stability and flow of results will be seen on display and can be sent to PC or using USB to transfer. This machine capable of using Indirect Tensile Loading Device to determine Indirect Tensile (IDT) or Lottman values of asphalt mixes. Also it capable of using the Semi-Circular Bend (SCB) Test Fixture to calculate the fracture energy of asphalt mixtures (maximum aggregate size of 19mm) from a load-displacement curve.

ATANDARDS:
ASTM D6927-15
ASTM D1559
ASTM D598
ASTM D5581
AASHTO T245
AASHTO T283
EN12697-34

Model: 1614011

1614012

1. 50KN, Capacity, 20N Accuracy.
2. High Quality 50KN S.Steel Load Cell.
3. 50mm/min (5in/min) lower plate speed.
4. Using High Resolution LVTD for determining flow of specimen.
5. 7in Touch screen TFT display made by FAKET(UL approved).
6. Determining of TSR and IDT test.
7. All operation was done automatically by machine after the specimen input into breaking head.
8. Result can be seen on display after finishing test operation, the data can be transfer to PC by cable or by USB too.
9. Sturdy two S.Steel columns and nuts, adjustable crosshead.
10. The steel body was powder baked painted.
11. Breaking head or IDT testing device(Lottman test device) should be order separately.
12. Model: 1614011, 110 V,60 Hz.,750 W, 1Ph.
13. Model: 1614012, 220 V,50Hz.,750 W, 1Ph
14. Dimension: L*W*H 700*470*1240 mm.
15. Weight: 120Kg

