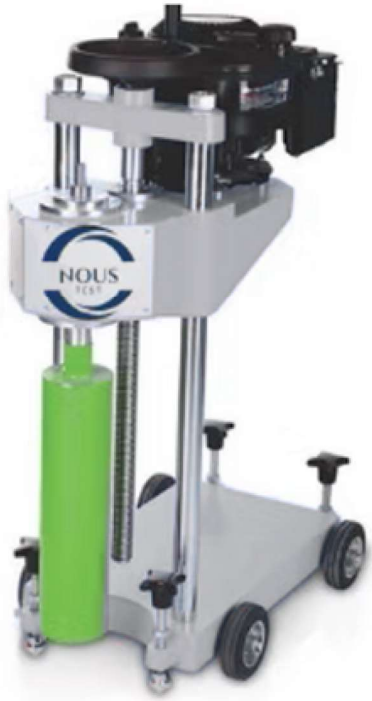
ASPHALT

ASPHALT CORE DRILLING MACHINE GASOLINE, PORTABLE

PRODUCT CODE

NT-AS1020 Asphalt Core drilling machine, Gasoline powered, portable
NT-GH0230 Core Bit 50 mm dia 400 mm height
NT-GH0235 Core Bit 50 mm dia 400 mm height
NT-GH0240 Core Bit 50 mm dia 400 mm height
NT-GH0245 Core Bit 50 mm dia 400 mm height

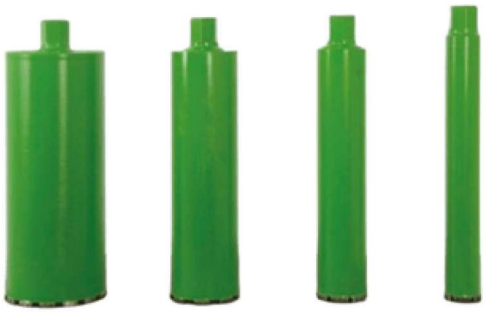


STANDARDS

EN 12697-27

SPECIFICATIONS

The Asphalt Core Drilling Machine is a portable, gasoline-powered device specifically designed for collecting **core samples (cores) up to 200 mm in diameter** from hard surfaces such as asphalt and concrete. It offers **high mobility and performance** in areas where electrical access is difficult. It offers easy **single-operator operation** in both urban and off-road environments.
The machine body is mounted on a sturdy metal chassis, and the engine group, vertical support column, and ball screw mechanism provide maximum control and durability. It is equipped with a 6.5 HP, gasoline engine.



ADVANTAGES

- **Vertical Ball-Driven Screw System:** Precisely controls cutting pressure and provides rapid return
- **Water Spray System:** Integrated for cooling and dust reduction during cutting
- **Portable Design:** Easy to transport with a sturdy, wheeled base
- **Suitable for Single Operator Use:** Practical use and easy installation

Note: Core bits (core cutters) must be ordered separately.

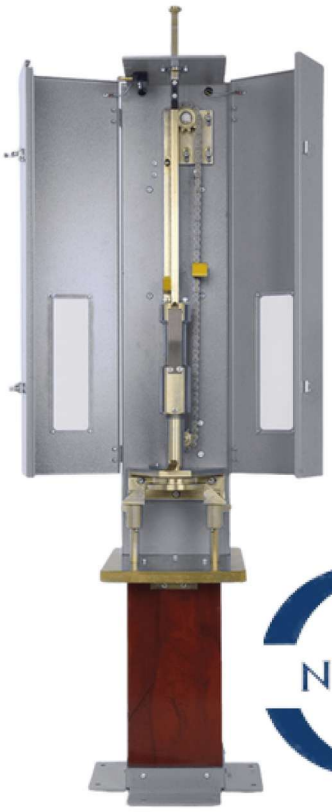
www.noustest.com
ADDRESS:Ivedik OSB. 1462. Sk. No:24, 06374 Ivedik Osb Yenimahalle - Ankara / Türkiye
info@noustest.com

ASPHALT

Automatic Marshall Impact Compactor – ASTM

PRODUCT CODE

NT-AS2870 Automatic Marshall Impact Compaktor, ASTM 4”
NT-AS2870/S Automatic Marshall Impact Compaktor, ASTM 4” with soundproof cabinet
NT-AS1460A Marshall Briquette Mould, ASTM 4”



STANDARDS

AASHTO T245, ASTM D1559, ASTM D5581, ASTM D6926

SPECIFICATIONS

The Automatic Marshall Compactor is a highly reliable, fully automatic device designed to prepare samples from hot asphalt mixes in accordance with standards. The compactor automatically stops the process when it reaches the preset number of strokes. The number of strokes can be adjusted via the digital display and monitored throughout the test process.

Compactor provides homogeneous and repeatable compacted samples for use in Marshall stability tests which is required to measure the resistance of asphalt to plastic flow.

Hammer Mass : 4536 ± 9 g
Free Fall Height : 457 ± 3 mm (18” ± 0.1”)

Advantages:

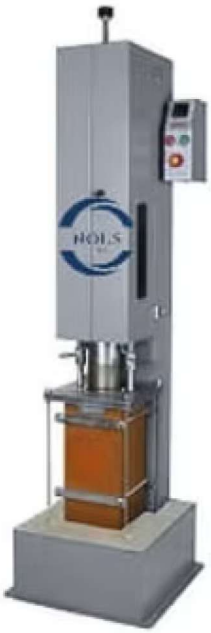
Fully Automatic System: Automatic compression with adjustable stroke rate
Durable Construction: All mechanical components are manufactured from heavy-duty steel
Easy Mold Change: Quick mold fixing and release system
CE Compliant Safety: Automatic stop when the lid is opened, emergency stop button
Sound-Insulated Cabin Option: Model with reduced noise levels and increased safety

ASPHALT

Automatic Marshall Impact Compactor – EN

PRODUCT CODE

NT-AS2870 Automatic Marshall Impact Compactor, EN 4”
NT-AS2870/S Automatic Marshall Impact Compactor, EN 4” with soundproof cabinet
NT-AS1460E Marshall Briquette Mould, EN 4”



STANDARDS

EN 12697-30, 12697-10

SPECIFICATIONS

The Automatic Marshall Compactor is a highly reliable, fully automatic device designed to prepare samples from hot asphalt mixes in accordance with standards. The compactor automatically stops the process when it reaches the preset number of strokes. The number of strokes can be adjusted via the digital display and monitored throughout the test process.

Compactor provides homogeneous and repeatable compacted samples for use in Marshall stability tests which is required to measure the resistance of asphalt to plastic flow.

Hammer Mass : 4536 ± 9 g
Free Fall Height : 457 ± 3 mm (18” ± 0.1”)

ADVANTAGES

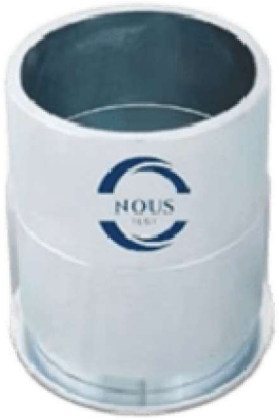
Fully Automatic System: Automatic compression with adjustable stroke rate
Durable Construction: All mechanical components are manufactured from heavy-duty steel
Easy Mold Change: Quick mold fixing and release system
CE Compliant Safety: Automatic stop when the lid is opened, emergency stop button
Sound-Insulated Cabin Option: Model with reduced noise levels and increased safety

ASPHALT

Marshall Compaction (Briquette) Moulds – ASTM, EN

PRODUCT CODE

NT-AS1460A Marshall Compaction (Briquette) mould, ASTM 4”
NT-AS1461A Marshall mould base plate, ASTM 4”
NT-AS1462A Marshall mould collar, ASTM 4”
NT-AS1463A Marshall mould body, ASTM 4”
NT-AS1460E Marshall compaction (Briquette) mould, EN 4”
NT-AS1461E Marshall mould base plate, EN 4”
NT-AS1462E Marshall mould collar, EN 4”
NT-AS1463E Marshall mould body, EN 4”



STANDARDS

AASHTO T245, ASTM D1559, ASTM D5581, EN 12697-30

SPECIFICATIONS

The Marshall Compaction (Briquette) Moulds are used for producing Marshall specimens with automatic or manual compactors. The moulds are manufactured from steel and galvanized for protection.

ASPHALT

Marshall Stability Test Machine with Proving Ring– 50 kN

ASTM / EN compliance

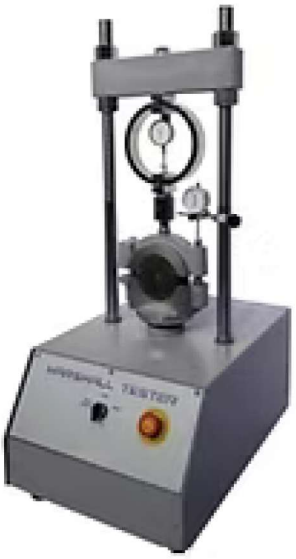
PRODUCT CODE

NT-AS2501 Marshall Stability Test Machine – with 50 kN capacity Proving ring

STANDARDS

ASTM D1559, D5581, D6927,
AASHTO T245 BS 598:107,
EN 12697-12

SPECIFICATIONS



The Marshall Stability Tester is a 50 kN capacity load frame designed to determine the maximum load carrying capacity (stability) and plastic deformation (yield) properties of asphalt mixtures.

Its rigid structure makes it suitable for heavy-duty laboratory use and its constant loading rate (50.8 mm/min) complies with ASTM and EN standards. Load application is measured by using a proving ring.

The device comes fully equipped with a digital yield indicator, manual control lever (for calibration), Marshall penetration piston, 4” Marshall crushing head, 50 kN capacity proving ring, and upper/lower limit switches.

Technical Properties

Capacity	50 kN
Loading rate	50.8 mm/dk (±%1)
Safety Features	Overload stop, limit switches
Applications	Marshall Stability and Yield Tests

ASPHALT

10 liter capacity planetary mixer

ÜRÜN KODU

NT-G3100M 10 Liter capacity planetery mixer
NT-AS0315M Isomantle heater

ÜRÜN TANIMI

This 10-liter mixing capacity mixer is designed for high quality and reliability, suitable for benchtop use. It adheres to standards while also meeting the demand for more extensive testing of other materials for research applications.

Thanks to its planetary mixing mechanism, the mixing paddle rotates around its own axis at 20 to 480 rpm and simultaneously moves around the mixing bowl at 10 to 240 rpm. This bi-directional mixing ensures homogeneity and repeatability throughout the entire mix. The speed can be manually adjusted by the user using the potentiometric speed adjustment knob on the mixer. The planetary mixer is equipped with safety switches that automatically stop mixing if the user lowers the mixing bowl with the handle.

If used for asphalt design, an electric Isomantle heater must be ordered separately.
For proper mixing operation, the container containing the bituminous sample must be heated to the temperature specified in the Standards. A standard laboratory oven is used for this purpose, and the sample mixing process is performed immediately after removing the container from the oven.

TECHNICAL PROPERTIES

Mixing capacity	10 L
Material	Stainless steel mixing bowl and pallet
Mixing program	Manual, with potentiometer
Areas of use	Sample preperation

ASPHALT

Reflux Extractor Test Set

PRODUCT CODE

NT-AS4200 Reflux Extractor Test Set, capacity 4000 gr
NT-AS4201 Reflux Filter Paper 100 pcs in a pack

STANDARDS

ASTM D2172, AASHTO T164 B

SPECIFICATIONS

Reliable and Economical Solution for Bitumen Content Determination

The Reflux Extraction Test Set is a highly efficient and practical test equipment used in asphalt mixture analysis laboratories, highway and infrastructure projects, university and R&D laboratories to quantitatively determine the bitumen content in hot-mix asphalt and pavement samples. It complies with ASTM D2172 and AASHTO T164 B standards.

The reflux method provides an economical and reliable analysis of the binder (bitumen) content in asphalt mixtures. The device operates by evaporating and condensing a solvent heated by an Hot plate. During this process, the solvent passes through the sample and separates the bitumen. The remaining aggregate and moisture analysis allow for precise calculation of the bitumen content.

Set includes the below accersories;

Reflux Ekstraktor Glass

2 Stainless Steel Wire Mesh Conical Baskets

Condenser and connection hoses

Hot Plate

100 pcs. Filter Paper

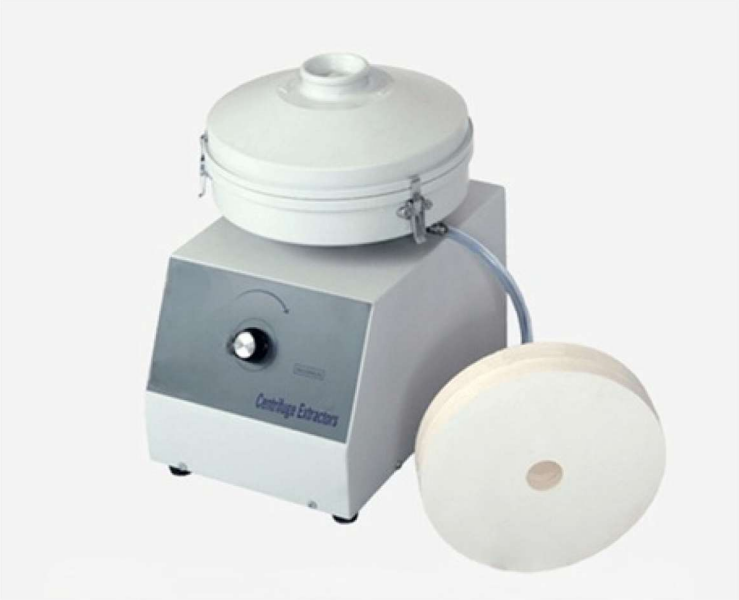
ASPHALT

Centrifuge Extractor

Bitumen Percentage Determination Device for Bituminous Mixtures

PRODUCT CODE

NT-AS0300 Asphalt Centrifuge Extractor, capacity 1500 gr
NT-AS0350 Asphalt Centrifuge Extractor, capacity 3000 gr
NT-AS0301 Rotating Bowl and cover for NT-AS0300
NT-AS0351 Rotating Bowl and cover for NT-AS0350
NT-AS0302 Filter paper for NT-AS0300
NT-AS0352 Filter paper for NT-AS0350



STANDARDS

AASHTO T164-A, ASTM D2172,
EN 12697-1

SPECIFICATIONS

Reliable and Economical Solution for Bitumen Content Determination

Centrifuge Extractor is a precision laboratory equipment that is widely used in asphalt and road engineering laboratories for the purpose of determining the percentage of bitumen content in bituminous mixtures and is compatible with different types of solvents (TCE, PERC, etc.) in solvent-based extraction processes that do not require heating.

Technical Specifications

Capacity: 1500 g or 3000 g
Maximum Rotation Speed: 3600 rpm (adjustable)
Control Panel: Start/Stop button, potentiometric speed control knob
Body: Precision-machined rotating bowl in an aluminum enclosure
Seal: Solvent-resistant, leak-proof sealing system
Braking: Safe stopping in 10–15 seconds
Vibration-Free Operation: Stabilized structure with spring suspension system

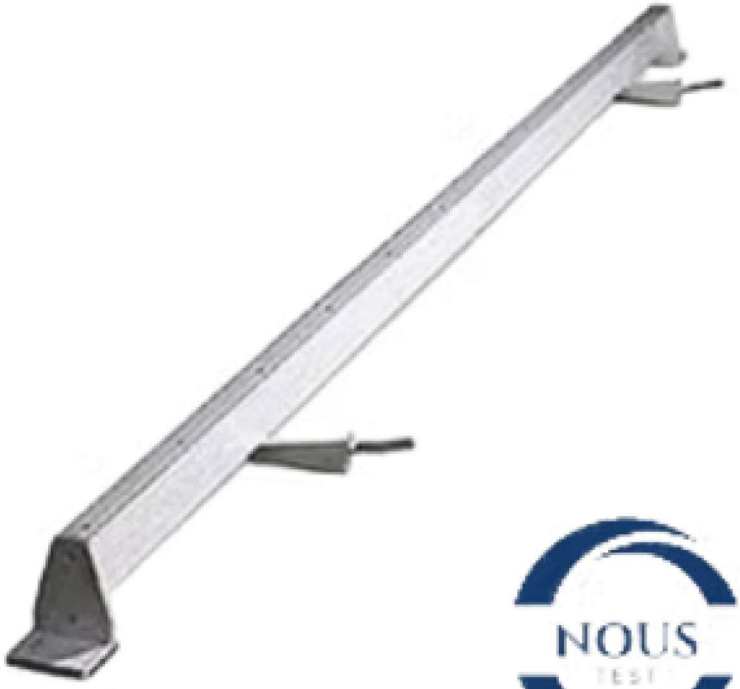
www.noustest.com
ADDRESS:Ivedik OSB. 1462. Sk. No:24, 06374 Ivedik Osb Yenimahalle - Ankara / Türkiye
info@noustest.com

ASPHALT

Mot straight edge with 2 wedges

PRODUCT CODE

NT-AS5212 Mot straight edge with 2 wedges
NT-AS5213 Mot straight edge carrying case



STANDARDS

EN 13036-7

SPECIFICATIONS

The MOT Straightedge is a measuring device used to measure the surface smoothness of newly poured or currently in-service road pavements. Made of aluminum alloy, this 3-meter ruler is used to quickly and effectively identify undulations, irregularities, and deterioration due to quality defects on road surfaces.

The is supplied with two metal wedges for measuring from 0 to 30 mm.

A wooden carrying case must be ordered separately.

Applications

Highway and highway construction
Quality control of concrete and asphalt road surfaces
Airport runways and aprons
Industrial ground irregularity measurements
Civil engineering laboratories