

Technology and technical service for road paving



Matest is an Italian company founded in 1986 by the same family that still runs and manages it today. Thanks to its strong capital, the company is a pioneer in technological innovation and continuous expansion. With an ever-expanding range of products, Matest is undoubtedly the world's leading manufacturer in the construction test equipment industry.



Pavetest is Matest's division dedicated to the development of dynamic testing systems for asphalt. It offers the most comprehensive and reliable range of asphalt testing machines, a fact confirmed by the vast majority of the market, especially customers involved in research and development, with whom we continue to develop innovative solutions.

Testing systems for asphalt **Superpave**



B038AM

SMARTTRACKER

HAMBURG WHEEL TRACKER

STANDARDS: EN 12697-22 | AASHTO T-324 | BS 598:110

Hamburg-type loaded wheel simulator for testing asphalt mixture CPs in a dry or wet environment.



B045-01

GYRORESEARCH

SUPERPAVE GYRATORY COMPACTOR

STANDARDS: EN 12697-10, EN 12697-31 | ASTM D6925 | AASHTO T312, TP4
SHRP M-002 | AS/NZS 2891.2.2

Electromechanical gyratory with selectable in a range between 0° and 3°.

Test systems for **Superpave** asphalt mix

B003

AMA

ASPHALT MIX ANALYZER

STANDARDS: ASTM D8159 | EN 12697-1

For the extraction and determination of binder content using non-flammable solvents: Touchscreen display, various sequence programs, self-programmable options, and optimization of wash-out and drying times.



B005N

BITUMEN CONTENT FURNACE BY IGNITION METHOD

STANDARDS: AASHTO T308
ASTM D6307
UNI EN 12697-39

The furnace can extract bitumen without using solvents and calculate the bitumen content.



B265

SMARTPULSE

ELECTROMECHANICAL DYNAMIC SYSTEM

It is engineered to deliver precise testing capabilities across tension, compression dynamic loading and is suited to testing a diverse range of materials such as asphalt and other construction materials. SmartPulse is provided with a gearmotor, so it does not require the need for an external compressor or pump.



B230

DTS-30

DYNAMIC TESTING SYSTEM 30 KN

Servo-hydraulic equipment using digital control applied to a high-performance servovalve to provide load waves up to 100 Hz.

A complete range of technologies for the classification of asphalt binders

B091M

PAV

PRESSURE AGEING VESSEL

STANDARDS: EN 14769 | ASTM D6521 | AASHTO R28

Pressurised vessel oven designed to simulate the ageing of binders.



B091M-01

VDO

VACUUM DEGASSING OVEN

STANDARDS: EN 14769 | ASTM D6521 | AASHTO R28

Vacuum furnace specifically designed to remove air bubbles created by the aging of bitumen by the PAV.



B070M

SOFTMATIC

AUTOMATIC RING AND BALL

STANDARDS: EN 1427 | ASTM D36 | AASHTO T53
NF T66-008; comparable to: BS 2000 | DIN 52011
UNE 7111 | UNI 4161 | CNR N.35

For the assessment of the behavior of bituminous binders at elevated service temperatures: automatic test evaluation and ball detection via laser sensors.



B216

BBR

BENDING BEAM RHEOMETER

STANDARDS: ASTM D6648 | AASHTO T313 | EN 14771

Electromechanical bending beam rheometer for static and dynamic bending tests on asphalt binders.

A complete range of technologies for the classification of asphalt binders

B059M

SMARTIP

AUTOMATIC PENETROMETER

STANDARDS: EN 1426 | ASTM D5 | AASHTO T49 | ASTM D217 | BS 1377-2 | NF T66-004
DIN 52210 | IP 49 | JIS K 2207

For assessing the behavior of bituminous binders at medium service temperatures: automatic detection of the contact point and needle positioning, with real-time visualization of the penetration curve.



B066M-KIT

RTFOT

ROLLING THIN-FILM OVEN

STANDARDS: EN 12607-1 | ASTM D2872 | AASHTO T240

To determine short-term aging and simulate the effects of air and temperature on binders.



B085-22N

ROTATIONAL VISCOSIMETER

STANDARDS: EN 13302 | ASTM D2196 | ASTM D4402 | AASHTO T316

Dynamic viscosity of a substance is measured by rotating a specific spindle within the sample.



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