

**AMA**  
**ASPHALT MIX ANALYZER**  
 AUTOMATIC CLOSED-LOOP SYSTEM

STANDARDS: ASTM D8159 | EN 12697-1

The Asphalt Mix Analyzer (AMA) is an innovative device capable of combining all the processes associated with bitumen extraction and recovery. The unit has been designed for the purpose of determining the bitumen content in asphalt mixture and it is the best solution to analyze and characterize the properties of the reclaimed asphalt pavement (RAP).

- ALL-IN-ONE AUTOMATIC CYCLE
- COMPLETE EXTRACTION IN LESS THAN 1 HOUR
- CUSTOMIZABLE WORKING CYCLE ALSO DURING TEST



Mesh drum easy fit into whashing chamber. Inspection window to monitor the solvent level.



7" touch-screen display with smart interface. Test monitoring and user interaction in real time.



High speed centrifuge. Inspection window on the cover is used to monitor the solvent colour during extraction.



100% stainless steel distillation chamber. Easy to clean. Equipped with sprinkler for solvent spraying over the resistances.

**MAIN FEATURES**

- Complete extraction in less than 1 hour
- Full automatic from the sample insertion to the end of extraction
- Full customizable: Selectable pre-wash phase, number of washing and drying cycles.
- Different test profiles can be saved according to the material tested
- Combination of ultrasonic impulses and heating effect to a complete bitumen extraction.
- Complete close cycle avoiding toxic fumes for healthy environment.
- Automatic solvent distillation during extraction.
- Accepted solvents: Trichloroethylene, Tetrachloroethylene or Methylene chloride.
- Optional integrated balance for weights recording.
- Optional direct connection with rotary evaporator flask.

**TECHNICAL SPECIFICATION**

- Maximum sample weight: 3.5 kg
- Centrifuge rotation speed: 8000 r.p.m.
- Scale: 10 kg, 0.1 g res.
- Cup dimensions: Ø120 mm x 200 mm height
- Up to 300 g of filler recovered
- Extraction time: Less than 1 hour depending on the mix tested (including drying time)
- Solvent per extraction reused for several tests

**Power supply:** 380V 50Hz 3Ph

**Dimensions:** 1400x750x1500 mm approx.

**Weight:** 240 kg approx.

## BITUMEN CONTENT:

- CALCULATED
- SHOWN
- RECORDED



## DETAILS MAKE THE DIFFERENCE



Optional integrated balance with integrated data saving (10 Kg ± 0.1 g)



Full automatic cycle. Solvent resistant electro-valve included.



Possibility of introducing the solvent with a foot-pump or directly from a pipe placed over the distillation chamber cover.



4 wheels integrated with the frame for an easier placement and movement.

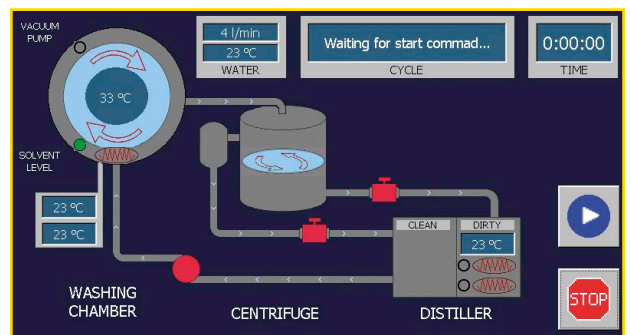


Safety lock of distillation chamber in order to avoid any accidental opening by the user.

Peso iniziale			
Peso cestello senza coperchio:	190.7 g		
Peso cilindro con filtro:	190.8 g	Bilancia (g):	193.5
Peso materiale nel cestello:	190.0 g		
Peso finale			
Peso cestello + materiale:	380.8 g		
Peso cilindro con filtro:	190.8 g		

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Automatic bitumen content calculation at the end of the test. Possibility of exporting the test results in TXT to prepare a customized report. Unlimited data storage.



Test programmed in few steps. All phases and parameters can be monitored and changed in real times through a smart interface.