Product name:	Product code:
Bitumen Ductility Testing Machine with Cooling Bath	CMI-IND-0022

Description

Temperature-controlled ductility machine that stretches bitumen briquettes at 50 mm per minute to measure elongation before breaking. Used for paving grade and modified bitumen acceptance testing.

Technical specification

- Brass briquette moulds with plates
- Thermometer
- Circulation pump

Standard bitumen briquettes are pulled apart in a thermostatic water bath at 27 or 25 deg C at a uniform speed, and the distance at which the thread breaks is read from a scale. The test indicates cohesion and flexibility of the binder. A refrigerated bath option supports low-temperature tests.

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Features

- Stepper motor traction with 50 mm/min constant speed
- Stainless steel bath with insulation
- Digital temperature controller with circulation pump
- Travel scale up to 150 cm
- Supports 3 or 4 briquette moulds in one run

Technical Specifications

Pull speed	50 +/- 2.5 mm/min
Travel	1500 mm
Temperature range	Ambient to 50 deg C, with chiller to 5 deg C
Temperature accuracy	+/- 0.1 deg C
Bath volume	Approx. 100 litre
Standards	IS 1208, ASTM D113, EN 13589
Power supply	230 V AC, 50 Hz, 1.2 kW

Standard Accessories