



CORE CUTTING MACHINE

The Automated Universal Core Cutting Machine ITGT1000 is design as per ISRM suggested method.

The Core Cutting is used for Rock or Core trimming or slicing or cutting in manual and / or automated mode in laboratory in full conformity as per national and international standards.

Suitable for cutting specimen of rock and concrete in specific dimension in laboratory which facilitates the observation of metallographic and rock structure, equipped with cooling system that can cool down the specimen during cutting to prevent overheating.

INTELLITEST'S CORE CUTTING MACHINE FULFILL ALL THE MAJOR STANDARDS

▶ ASTM D4543

▶ ISRM

The Operation is quite and easy, and the maintenance is extremely convenient. It is an indispensable device for Rock or Geotech laboratories for research institutions, colleges, universities, corporates working in the rock testing.

The automatic mechanism moves the entire sample towards the cutting blade at preselected speed using a hydraulic power feed with variable rates. The machine includes many components including a fixture to securely hold the specimen, system for moving the specimen, a diamond impregnated cutting blade, an emergency switch, over heat and over travel limit switch, coolant delivery system, and collect tray to collect coolant and debris. The entire cutting area is enclosed by metal cover having viewing window to over see the operation.

Features

- ▶ Less noisy operation
- ▶ Over heating sensors
- ▶ Over travel limit switch
- ▶ Variable cutting speed
- ▶ Corrosion resistant construction
- ▶ Diamond impregnated cutting blade
- ▶ Safty cover with viewing glass window
- ▶ Provided with wheels for easy movement



Specifications

Model No.	: ITGT1000
Specimen diameter	: from 20 mm to 150 mm
Specimen length	: up to 400 mm
Saw blade diameter	: 450 mm (18 inches)
Motor power	: 3 kW, 3,000 RPM
Compatible coolants	: water and oil
Weight	: 400 kg
Dimensions (W x L x H)	: 890 x 1800 x 1500 mm
Required power supply	: 440 VAC, 50 / 60 Hz
Required water supply	: 50 psi
Operation	: Automatic Speciment Tray Movement in X - Y Direction
Cutting Direction	: Sample Tray can move transverse and longitudinal



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