

CBR COMPRESSION MACHINE



1. Introduction

The automatic CBR test machine is designed for performing laboratory evaluation of the CBR value of highway sub-bases and sub-grade, and determination of the strength of cohesive materials which have maximum particle sizes less than 19 mm (3/4"). The machine is composed of a two-column frame with adjustable upper crossbeam driven by an electromechanical ram and a data acquisition and processing system. The machine is designed to load the penetration piston at a constant rate to measure the applied load and piston penetration at predetermined intervals. This main feature allows the user to perform tests complying to BS, EN, ASTM or AASHTO standards with the same machine.

2. Features

- 2.1 The piston penetration rate is adjustable with a constant value.
- 2.2 The loading frame is designed for soil and rock testing with the maximum capacity of 50 kN.

3. Specifications

Machine model	N/A
Weight	Approx. 100 kg
Dimensions	Approx. 470 x 600 x 1180 mm