

CEMENT COMPRESSION AND BENDING MACHINE



1. Introduction

The machine is a computerized automatic compression/bending testing equipment for concrete and other building materials. The testing equipment is mainly designed for testing the compressive and flexural strength of cement and mortar. It can fulfill the test automatically according to the requirements, which lists in the inspection method for the strength of cement and mortar. The test results, including data and graph, are presented on a display screen. The instrument is suitable for material inspection in factories, laboratory and education purpose.

2. Features

- 2.1 Computer control up, down, test, stop and loading progress
- 2.2 Computer automatically control the loading progress
- 2.3 The machine consists of the host machine, oil source and control system
- 2.4 High precision digital servo valve with closed-loop control function
- 2.5 Operating information, including loading rate, applied force, and stress, is displayed on screen and the test results can be print out through computer connection

3. Specifications

Model	XXX-300
Max. load	300 kN
Max flexural test load	10 kN
Load accuracy	Better than $\pm 1\%$
Control unit	Computer control auto loading progress
Piston stroke	80 mm
Distance between upper and lower platen	180mm
Max distance between the right and left columns	190mm
Size of upper and lower platen	180mm
Anti-rupture oil cylinder stroke	50mm
Size	1200×550×1400mm