

Features

YAW-2000D computer controlled servo hydraulic compression testing machine is consisted of load frame, servo oil source, control cabinet, computer etc. It adopts hydraulic load, oil pressure transducer to measure load, auto control the testing process by PC-hydraulic servo system. PC screen display the test data and curve, with data analysis, storage and print function.

The load frame is twin leading screw tower structure; crosshead is connected with leading screw through screw nut. Downside of leading screw is fixed on base by snap ring and screw nut. Motor mounted on crosshead, chain wheel and chain rotate nut, reverse the direction of motor to drive crosshead up and down. Upper platen is joined on crosshead through bolts; press block fixed the oil cylinder at center of base. The piston and working table are connected by bolts; lower platen and sphere base are fixed on working bench by fitting pin. When oil enters into oil cylinder, piston will be pushed up, so as to raise working table and lower platen, then to load force on specimen.

Standards

In accordance with or exceed the requirements of the GB/T5224-2003.

Applications

It is mainly used to various materials compression test. Such as cement, concrete, brick of diverse materials, rubber tray, concrete component, metal component anti-compress strength.



Technical Specification

Max. capacity (KN)	2000
Measuring range	4%-100% of FS
Relative error of reading	≤±1%
Max. distance between two platen (mm)	500
Compression platen size (mm)	250*250
Max. piston stroke (mm)	200
Max. piston speed (mm/min)	35
Column clearance (mm)	540
Oil pump motor power (KW)	1.5
Moving motor power(KW)	0.75
Load frame dimensions (mm)	1050*650*1980
Cabinet dimensions (mm)	1100*700*930
Load frame weight (KG)	3500
Control cabinet weight (KG)	300

YAW-2000D

COMPRESSION TESTING MACHINE