

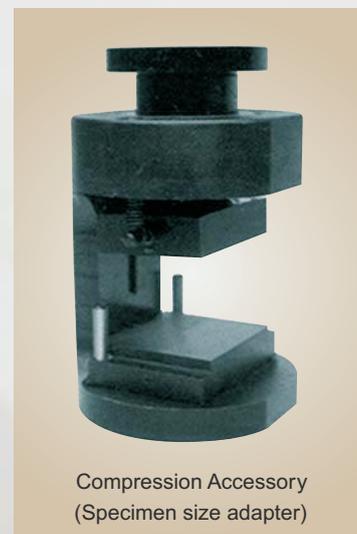
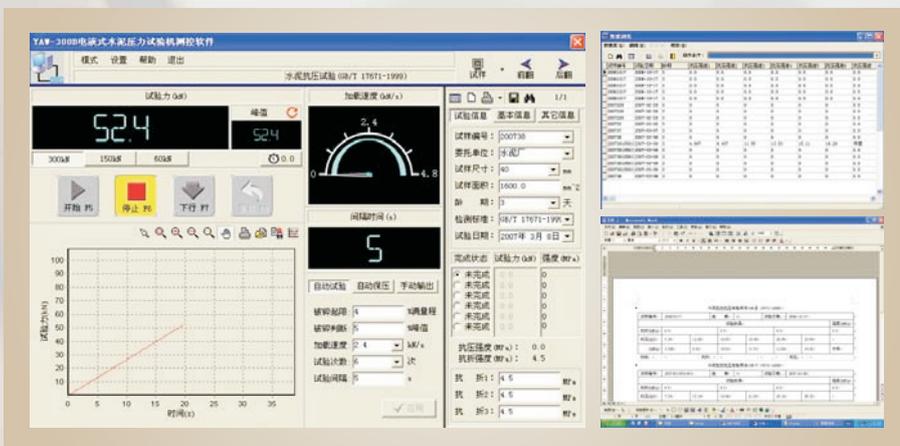
## Main application:

This kind of testing machine is designed and used for compression test on cement block according to international test standard (ISO test method). Realize the close loop control, test result and test diagram display timely through a computer screen. Especially, this testing machine software have powerful network function and is able to automatically transfer the test results to many database management software.



Machine specification: (refer to YAW series specification list)

## Test software:



Compression Accessory  
(Specimen size adapter)

## Software features:

- 3 Automatic test according to international test standard after press o START button on the software. According to standard, the test will count the results of 6 specimens in one group and after each test the software will save the test results automatically
- 3 Safe and reliable software interface and control. The software will lock the buttons during test proceed; it is very easy to prevent mistake operation during the test stage which will cause damage to the testing machine
- 3 Constant test load apply and test load speed range: 0-5kN/s
- 3 Different test mode support: Auto test; Multi points load keeping; Manual output
- 3 Software judge the break point, automatic count and transfer test results
- 3 Easy and fast to edit test report to create customized test reports

# YAW Series Computer Controlled Hydraulic Direct Compression Testing Machine

## Brief introduction:

This series machine is used for direct compression tests for materials, especially suitable for those hard brittle materials. The machine is widely used in construction material tests like concrete, wood, carbon steel and rocks. By equipping with different control system, this compression testing machine can be servo controlled, computer displayed, LCD digital displayed. By changing different optional accessories, this series machine can make three points bending and four point bending tests.



### HYDRAULIC CYLINDER

Fine machining down set oil cylinder, provides very stable load during high force compression tests.



### LEAD SCREW COLUMNS

The length of lead screw determine the compression space. User can customize the length of this part.

### ELECTRIC CABINET

Electromagnetic proof cabinet, improve the reliability and stability of whole electric system.

### TIME-SHIJIN CONTROLLER

Original TIME Plug In ready to use PCI control card, suits all kinds of personal computer and main board. Full digital measure and control, realize the servo control of complete test system.



### CROSSHEAD

Motor and Gear rotate makes the crosshead move up and down along the lead screw.

Specification	YAW-300B	YAW-1000	YAW-2000D	YAW-2000B	YAW-3000	YAW-3000A	YAW-5000F	YAW-10000F
Max test load (kN)	300	1000	2000	2000	3000	3000	5000	10000
Load range	4%-100% of max test load							
Accuracy of load	1%							
Dimension of compression plate (mm)	∅150	320x 320	250 x 250	∅300	∅330	400x 400	800 x 600	480 X 480
Compression space (mm)	250	0-500	0-500	300	0-650	0-1000	0-1500	300-4000
Piston stroke (mm)	35	150	150	150	150	200	200	250
Clearance of columns (mm)	285	460	540	540	560	560	670x 870	1220x 1270
Dimension of mainframe (mm)	540 ∅ 540 ∅ 1409	780 ∅ 540 ∅ 2650	1050 ∅ 650 ∅ 2100	1050 ∅ 650 ∅ 1700	1060 ∅ 800 ∅ 3200	1000 ∅ 1480 ∅ 3400	1400 ∅ 1200 ∅ 4045	1850 ∅ 2100 ∅ 735
Weight of mainframe (kg)	600	2500	3500	3500	7000	5500	14000	48500
Power (kw)	2	2.6	3	3	7	7	8.5	2.5