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Products, Solution, Services

Materials Testing Machine

Authorised distributor @Indonesia

YAW Series

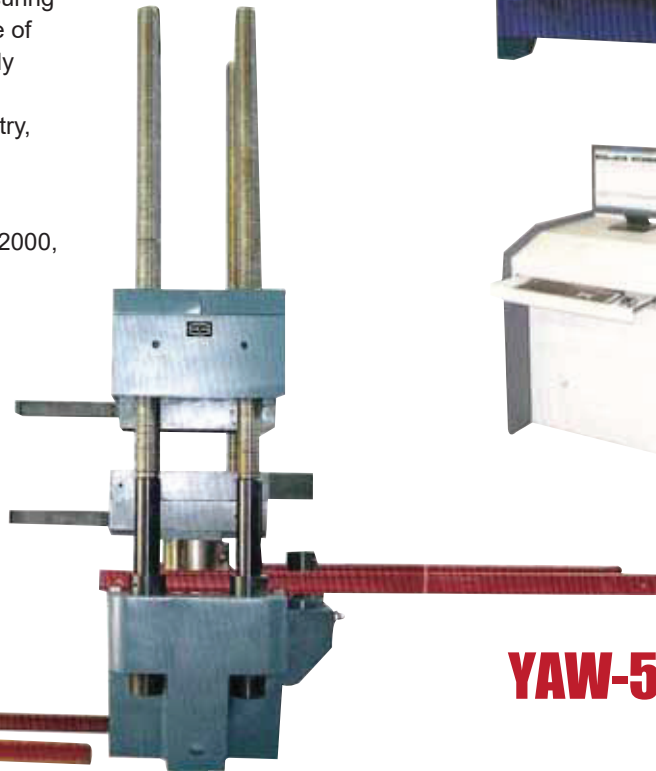
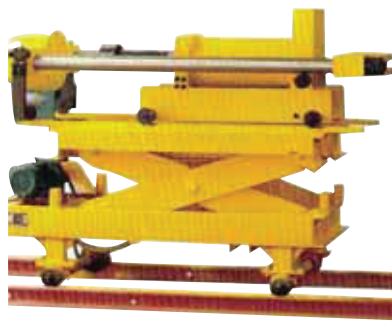


Features :

YAW-5000J Computer Controlled Servo Hydraulic Compression and Shearing Testing Machine is used to test the load capacity of rubber tray of high way, bridge etc. It can also be used to test the anti-compression strength of large metal components and other materials. This machine adopts hydraulic loading, computer servo automatic control, load cell measuring and computer display. With the advantage of easy operation, reliable stability, it is widely accepted and used in bridge & high way construction, metallurgy, aerospace industry, and different scientific institutes.

Standard :

JT/T4-2004, JT391-1999, GB/T17955-2000, GB/T2611-92


YAW-5000J
Specifications:

Specifications	YAW-5000J
Vertical Loading System	
Max. test load	5000kn
Measuring range	0.4%-100% of FS
Test load accuracy	±1% (from 20% of FS in each step)
Max. piston stroke	150mm
Upper & Lower compression plate size	700 x 800mm
Column clearance	900 x 510 mm
Horizontal Loading System	
Max. test load	1000kn
Measuring range	1%-100% of FS (be equals to 5 steps)
Test load accuracy	±1% (from 20% of FS in each step)
Ram stroke	200mm
Displacement measuring range	0-200mm
Corner Testing Device	
Max. corner ejecting load	300kn
Measuring range	4%-100% of FS (be equals to 3 steps)
Test load accuracy	±1% (from 20% of FS in each step)
Deformation measuring range	0-10mm
Ram stroke	0-150mm
Over All	
Load frame dimension	approx. 1255 x 1220 x 3000 mm
Weight of load frame	16000kg
Total motor power	15Kw

Features :

This machine adopts dual test spaces, with advantage of saving space and easy operation


YAW-300C
Specifications:

Specifications	YAW-300C
Max. test load	300kN/10kN
Measuring range	4%~100% FS
Test load relative error	≤ ± 1%
Loading speed	0.3kN/s~10kN/s, 50N/S
Loading speed error	± 5%
Compression platen size	Φ 155mm, 80x150mm
Piston diameter	80mm
Max. piston stroke	Φ 130mm, Φ 50mm
Max. hydraulic pressure	25MP
Rated flow	1.52L/min
Motor power	0.75kW
Dimensions	820 × 450 × 1300 mm
Weight	500Kg

Application :

YAW-2000 Series computer controlled servo hydraulic concrete compression testing machine is mainly used to determine the anti-compress strength of various materials such as cement, concrete, brick of diverse materials, rubber tray, concrete component, metal component etc.

YAW-2000D


Specification:

Specifications	YAW-2000D
Max. capacity	2000 kN
Measuring range	4%-100% of FS
Relative error of reading	$\leq \pm 1\%$
Max. distance between platens	500 mm
Compression platen size	250 × 250 mm
Max. piston stroke	0-200 mm
Max. piston speed	Approx. 35 mm/min
Column clearance	540 mm
Oil pump motor power	1.5 kW
Moving motor power	0.75 kW
Load frame dimensions (mm)	1050 × 650 × 2100
Cabinet dimensions (mm)	600 × 480 × 960
Load frame weight (kg)	Approx. 3500
Control cabinet weight (kg)	Approx. 400

YAW-2000B

Specification:

Specifications	YAW-2000B
Max. capacity	2000 kN
Measuring range	4%-100% of FS
Relative error of reading	$\leq \pm 1\%$
Max. distance between platens	330 mm
Compression platen size	370 × 370 mm
Max. piston stroke	0-50mm
Max. piston speed	Approx. 35 mm/min
Moving motor power	0.75 kW
Load frame dimensions (mm)	640 × 720 × 1500
Load frame weight (kg)	Approx. 2000



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.


YAW-3000A
YAW-5000F
Main Technical Specifications:

Specification	YAW-3000A	YAW-5000F
Max test load (kN)	3000	5000
Load range	4%-100% of FS	
Accuracy of load	≤ ± 1%	
Dimension of compression plate (mm)	400 × 400	800 × 600
Compression space (mm)	0-1000	0-1500
Piston stroke (mm)	200	200
Clearance of columns (mm)	560	1000 × 800
Dimension of mainframe (mm)	1000 × 1480 × 3400	1400 × 1200 × 4045
Weight of mainframe (kg)	7000	12000
Power (kw)	7	10.5



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