

KASON CTM106E Computer Control Compression Testing Machine



(Picture just for reference)

1. Application

The testing machine tests the mechanical properties of cement, mortar, brick, concrete and other building materials with servo motor acceleration and deceleration control technology, showing the load value, loading speed and loading curve. The test data is automatically processed, stored, and printed. This series compression testing machine is mainly designed for compression test of building material items, such as concrete cube, concrete blocks, cement specimen, and bricks etc, also used for compression performance test of rubber pad and top forge test of metal. With new design idea and advanced technology, this series have more advantages in appearance, operation & applications. It is the ideal test equipment for quality control at industry & mineral enterprises, education in high schools, and technology researches at scientific institutes.

2. Standards:

It is conformed to EN 12390-3, 12390-4; BS 1881, ASTM E4, ASTM C139, ISO7500-1, EN10002-2, BS 1610, DIN51220, C1231 –AASHTO T22 -NF P18-411 -UNE 83304, 7242 etc.

3. Applicable Specimen size:

- Extensive ranges for Cubic sample: 100mm, 150mm, 200mm and more;
- Rectangular sample: 400x200x200mm, 400x200x400mm etc;
- Cylindrical sample dia. 150x300mm, dia. 100x200mm, dia. 200x400mm or others as per customer required.
- Remark: test space can be customized according to specified specimen size.

4. Main Technical Parameters

Model	KASON CTM106E	KASON CTM206E	KASON CTM206E
Max. Load	1000kN	2000kN	3000kN
Test space adjustment mode	Electric ball screw adjust		
Control method	Computer auto control loading process		
Test class	1 class		
Load measuring range	4-100% of F.S		
Resolution of test power	1/300000 F.S		
Load accuracy	±1.0%		
Displacement measurement	0.01mm		

Displacement measurement	$\leq \pm 0.5\%$	
Upper and low compression	220x250mm	300x300mm
Compression test space	320mm	400mm
Distance between two columns	280mm	300mm
Piston stroke	30mm	50mm
Piston diameter	250mm	300mm
Mainframe dimensions	440x350x1260	1000x500x1450mm
Control cabinet	1130x530x800mm	1130x530x800mm
Weight	About 650KG	About 1000KG
The total power of the power	0.75KW, AC 380V $\pm 10\%$	

5. Features:

- 5.1 High strength main unit- 1 set
- 5.2 one-piece Oil source control cabinet-1 set
- 5.3 High precision pressure sensor-1pc
- 5.4 computer- 1 set
- 5.5 HPA4 printer- 1 pc;
- 5.6 Compression grip-- 1 set
- 5.7 High performance low noise plunger pump- 1set
- 5.8 Three-phase asynchronous motor- 1set
- 5.9 High precision electro-hydraulic proportional servo valve and valve block group- 1set
- 5.10 Precision oil filter- 1pc
- 5.11 Jean type oil source control cabinet shell- 1set
- 5.12 Test and control system- 1set;
- 5.13 Test special software under WINDOWS - 1set

Software

Concrete Split Tensile

Test Num : 1124
 Strength Grade : C15
 Sample Days(Day) : 7
 Specification(mm) : 150*150*150
 Correction Factor : 1
 Stress Speed(MPa/s) : 0.06
 Load Speed(kN/s) : 2.12
 Sample Count : 2
 Whether Successive Test : Alone Test

No.	Load(kN)	Strength(MPa)
1		
2		
Valid Load		
Valid Strength		

Advanced Parameters

Control Parameter	Soft Value	Control-Box Value
Max Value(kN):	300.00	0.00
Entry Control(kN):	1.00	0.00
Delay Time(s):	5	0
Max Valve:	200	0
Back Valve:	3000	0
Beginning Valve::	32000	0
Mid Valve:	20000	0
Max Valve:	50000	0
Start Valve(kN):	3.00	0
Max wait Time(s):	180	

Cement Compress

Test Num : 4738
 Test Variety : P-1
 Strength Grade : 42.5
 Sample Days(Day) : 28
 Specification(mm) : 40*40
 Load Speed(kN/s) : 2.4
 Sample Count : 6
 Whether Successive Test : Alone Test

No.	Load(kN)	Strength(MPa)
1		
2		
3		
4		
5		
6		
Valid Load		

19 YEARS

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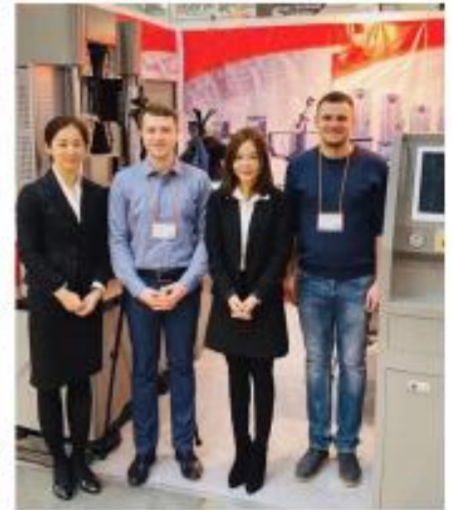
KASON is established in 2003, owns more than 8000 square meters factory. has a professional sales teams, modern enterprise technology center, scientific and technological research and development team.

Machines passed the European CE authentication, American FDA certificate and ISO 9001.

Products sold to USA, Canada, Australia, Europe, Africa etc, more than 130 countries and supply OEM service for many customers

PROFESSIONAL TEAM

KASON has a professional sales teams, modern enterprise technology center, scientific and technological research and development team.



OUR CUSTOMERS (more than 130 countries)



