

Drop Weight Impact Testing Machine for plastic pipe

ZCJ1000 Series 300J

The ZCJ1000 series Drop Weight Impact Testing Machine is designed to test impact resistance performance for various pipes materials and plank materials. This test method is that :first raise the hammer to a specific height and release it then the hammer freely drops down and impacts the specimen to realize the dynamic loading. ZCJ 1000 series consists of loading frame and control system, the special control manual operation panel can input test parameter and control test process. LCD real-time displays the test results, height, test speed, and so on. It fully complies with ISO3127, ISO4422 and other relative national standards. The model ZCJ1302 (Fig1)is the typical product of this series

Key Features

- Adopting Siemens CPU224 controller with noted brand EVIEW MT506L type touch screen brings the advantage of high reliability, strong interference resistance performance, ideal adaptability, large scope expansibility, and wider versatility
- Automatically hammer positioning, and automatically rising up the hammer to the pre-set height
- The impact energy is changeable by replacing hammers or adjusting the crosshead height.
- Easy operating control panel for precise manual control. Test samples feeding automatically.
- The impact height can be input directly or also can be calculated by the input impact energy.
- motor drive system; chains driven reduces abrasion.
- Automatic check the cover to close.The enclosure is fully interlocked so that the machine cannot run unless all the guards are ready.
- Special protective enclosure keeps the operator from flying scraps.
- Automatic avoiding second-time impact fixture
- The self-hold fixture guarantees high reliable safety

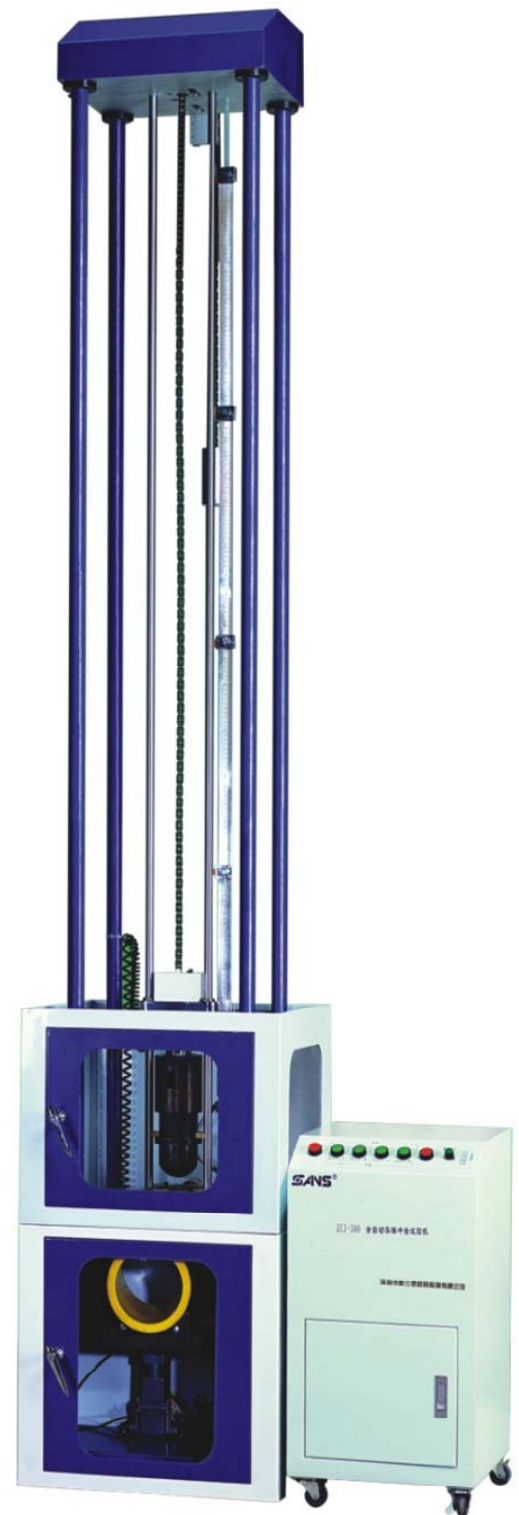


Fig1. ZCJ 1302-1

Technical Specifications

Model	ZCJ1302-1	ZCJ1302-2	ZCJ1302-3	ZCJ1302-4
Maximum impact energy (J)	300	300	300	300
Maximum impact height (mm)	2000	2000	2000	2000
Range of hammer weight (kg)	0.25-16	0.25-16	0.25-16	0.25-16
Radius of hammer (mm)	50	50	50	50
Dimension (mm)	600 x 500 x 3200	600 x 500 x 3200	600 x 500 x 3200	600 x 500 x 3200
Maximum specimen diameter (mm)	400	630	1200	1600
Machine weight(kg)	500	600	1000	1300
Power	AC220V±10% ,10A	AC220V±10% ,10A	AC220V±10% ,10A	AC220V±10% , 10A

Hammer specifications

D25	0.25,0.5,0.8,1.0
D90	1.0, 1.25, 1.357, 1.5, 1.6, 2.0, 2.25, 2.5, 2.75, 3.2, 3.25, 3.75, 4.0, 5.0, 5.75, 6.3, 7.5, 8.0, 10.0, 12.5, 16.0

Standard Accessories of ZCJ1302

- 1、 Load frame, one set
- 2、 Electric control system, one set
- 3、 LCD controller, one set
- 4、 Japanese OMRON switch, one set
- 5、 Japanese displacement transducer , one piece
- 6、 Advanced timing motor, two sets
- 7、 16kg poise , one set
- 8、 Optional Recommended hammer head, one set(including D25 weight 0.5kg and 0.8kg for each one piece, D90 weight 1kg and 16kg for each one piece)