

Drop Weight Impact Testing Machine | Type A



Smooth guidance columns provides precise guiding with lowest friction

Lifting device is driven by induction brake motor and chain transmission with high stability and reliability



Automatic positioning, zeroing, and striker lifting offers simple operation

Changeable striking hammer is able to accommodate various specimens

SIMENS PLC electronics is to control striking height, automatically to detect the height with high positioning accuracy and high reliability. Wide view touch screen is simple to set up test parameter and perform tests

Securing device provides ability to avoid second impact

Working platform is adjustable, automatic zero positioning of specimen, automatically move up and down

Maximum impact energy: 300J

Standards

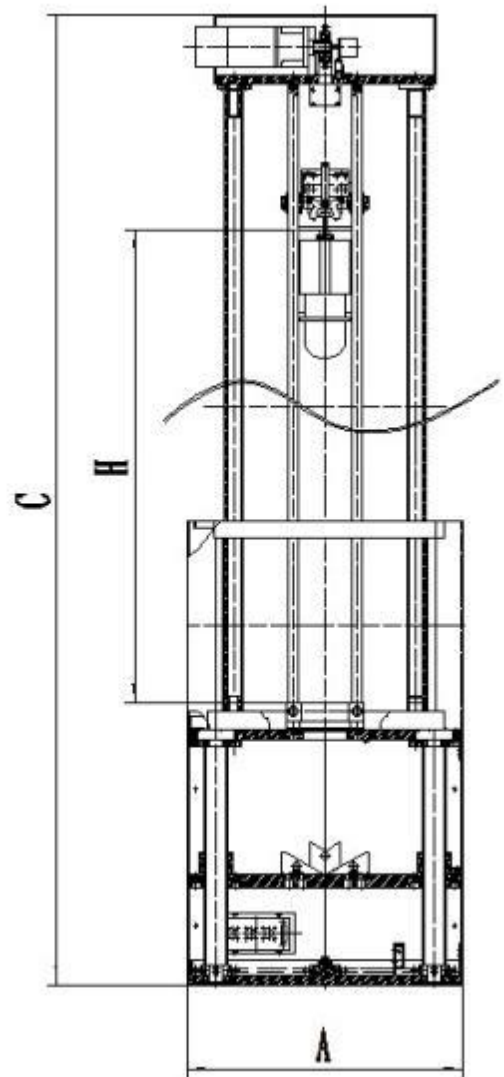
ISO 3127, ISO 4422.1,
 BS EN 12608, BS EN 744, BS 2782-11: method 1108C
 ASTM D2444,
 GB/T 14152, GB/T 10002.1, GB/T 8814, GB/T 6112,
 GB/T 14153, GB/T 11548

Functions

This series Drop Weight Impact Testing Machine is designed to test impact resistance performance for thermoplastic pipes

Features

1. Automatic locking for second impact
2. Automatically locate the striking zero point
3. Automatic lift the tup to the preset height
4. Crosshead movement to adjust the test space
5. PLC controls for drop height location with high stability and high accuracy
6. Smooth column for guiding to ensure precise striking point with small resistance
7. Safety enclosure to protect from broken specimens



Parameters

Model	DIT302			
Type	A-1	A-2	A-3	A-4
Maximum impact energy (J)	300			
Maximum impact height H (m)	2			
Maximum pipe diameter (mm)	Φ400	Φ630	Φ1200	Φ1600
Striker dimension	D25(SR50), D90(SR50)			
Dimension A x B x C (LxWxH, mm)	600x 500x3200	850x500x3500	1700x1000x4400	2000x1000x5220
Power supply	1-phase, 220V±10%, 50Hz, 1.5kW		3-phase, 380V±10%, 50Hz, 3kW	
Weight (kg)	500	600	1000	1200

Standard configurations

Name	Description	Quantity
Main frame		1 set
Control system		1 set
Touch screen	made in Taiwan	1 set
Fixture	standard fixture is for pipe sample	1 set
Hammers and weights	<p>Comply with ISO3127</p> <p>D25:0.25kg, 0.5kg, 0.8kg, 1kg</p> <p>D90:1kg, 1.25kg, 1.375kg, 1.5kg, 1.6kg, 2.0kg, 2.25kg, 2.5kg, 2.75 kg, 3.2 kg, 3.25 kg, 3.75 kg, 4.0 kg, 5.0 kg, 5.75 kg, 6.3 kg, 7.5 kg, 8.0 kg, 10.0 kg, 12.5 kg, 16.0 kg</p>	1 set

Remark: Test fixture, hammers and weights are made according to standards.



Basic Hammer



Weight sets



Basic Hammer equipped with weight sets to meet different impact energy



Test fixtures