

HST DIT 1800H High speed drop impact testing machine (1800J)



Picture just for reference

Application

This type of machine is especially designed for drop-weight test of pipe and plate (including plastics, ceramic, Nylon, and building materials). Equipped with force transducer, precise data sampling and measurement system, it fully satisfies instrumented impact tests complying with international standards.

Standards

ASTM D 7136/D 7136M, ASTM D 7192, ASTM D5628, ASTM D 3763, ASTM E 23, ASTM D2444, ASTM E208, ISO6603, ISO 148, ISO 14556, EN 10045, DIN 50115

Specifications

Model	HST DIT 1800H
Impact energy(j)	0.59~1800

Impact Velocity(m/s)	0.77~24
Drop height(mm)	0.03~1.2(simulated to 29.4m)
Maximum Impact Velocity(m/s)	7~24(70kg~2kg)
Striker lifting speed(m/min)	1~3 adjustable
Striker positioning accuracy(mm)	0.1
Force transducer range(kN)	1~200(made to order)
Force transducer static linearity accuracy(mm)	±1% of full scale(10%~50FS) ±2% of full scale(50%~100FS)
A/D sampling resolution	16 bits
Maximum sampling frequency	2MHz
Frequency Response	500kHz
Dynamic error	≤ 2%
Test space(mm)	720×720×630
Supply voltage	AC 220± 10%/ 50-60Hz
Dimensions(mm)	850× 850× 3500
Weight(Kg)	300

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