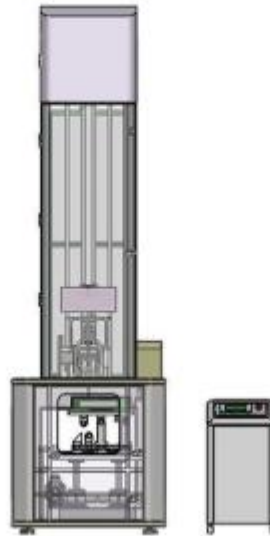


KASON-DWT-300IG Instrumented Drop Weight Impact Testing Machine

KASONTTEST



Application:

KASON DWI-300G instrumented drop hammer impact tester is mainly used to test the puncture performance of anti-stab clothing. It uses impact force sensor, test system, and high-speed data acquisition card to measure the load and deformation transient value of the impacted sample fracture process through oscilloscope impact sensor, that is, impact absorption work, force-displacement-energy curve of the impact process and characteristic points on the curve: maximum force F_m , total impact energy W_t and corresponding displacement and other parameters.

Standard:

GB/T2611-2022 "General Technical Requirements for Testing Machines"

Main Specifications

Item	Specification
Maximum impact energy	300J
Impact speed	1.98~5.42m/s
Impact height	0.2~1.5m
Range of hammer mass	10kg
Mass error of hammer and weight	±1%
Range of hammer	1~3m/min(Continuously adjustable)
Positioning accuracy of hammer head	1mm
Maximum load of impact force sensor	20kN
A/D sampling resolution	16bits

Maximum sampling frequency	2MHz
Frequency response	500kHz
Dynamic error of experiment	<2%
Dimensions of testing machine	1120mm*900mm*3600mm
Net weight of testing machine	Approx.1500kg
Power supply	Mainframe:AC 220V±10%,50Hz,2kW
	High and low temperature box:AC 380V±10%,50Hz,6.5kW

FOCUS IN MATERIAL TEST

KASONTTEST®

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