HST-DWTT 20000J Drop Weight Impact Testing Machine

Picture Only For Reference

Overview:

The drop hammer impact test machine is mainly used for drop weight tear test of pipeline steel, thick steel and ferritic steel, namely DWTT test. The drop hammer impact test machine integrating mechanical, electrical, automatic control technology in one, and achieve the cooling, feeding, lifting hammers, impact, fracture specimen, collection, grab the hammer fully automated process. In addition, this test machine has multi-channel safeguard, greatly improve the equipment operating and personnel safety.

This machine is commonly used by aircraft manufacturer of the pipeline, large steel mills, Iron and Steel Institute and other enterprises and research institutes.

Function:

Mainly applicable to drop weight tear test for ferritic steel, pipeline steel.

Application industry:

Measurement of Quality; iron and steel metallurgy; machinery manufacturing; research laboratories; commodity inspection arbitration, technical supervision departments and other industries.

Parameters:

Model	DWTT-20000	DWTT-30000	DWTT-50000	DWTT-80000	DWTT-100000
Maximum Impact Energy(J)	20000	40000	50000	80000	100000
Minimum Impact Energy(J)	8000	10000	15000	26000	32000
Main hammer body mass(kg)	630	800	1180	2140	2500
Main hammer body mass error	±0.5				
Impact height(mm)	1275~3000	1275~2800	1275~2600	1275~2805	1275~3000
Impact velocity(m/s)	5~7.67	5~7.41	5~7.14	5~7.41	5~7.67
Height measuremer resolution(mm)	≤±5				
Height measurement error(mm)	≤±10				
Hammer blade hardness	HRC58-62				
Radius of Hammer blad curvature(mm）	R25±0.1				
Hammer blade center an bearing center deviation(mm)	≤±1.5				

Specimen bearing span(mm)	254±1.5
Sample size(mm)	(305+0.5)x(76.2+1.5)x(3-40)
Power Supply	380V ±10%, 50HZ

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