



Die Maschine

# Pendulum Impact Tester

## CHARPY

Pro Series

## IZOD

Pro Series

For Metals



The Hoytom pendulum impact tester has been designed to test metals according to the Charpy or Izod impact testing standards. It is available in capacities from 150 to 750 Joules.

It can run tests automatically, and is operated via a simple and intuitive touch screen. Its octagonal guard includes a polycarbonate sliding door with an electrical interlock, which meets the requirements for CE marking and Standard ISO 13849.



## Characteristics:

- Available capacities: 150, 300, 450 and 750 Joules.
- Fully automatic.
- Ability to run quick test cycles.
- Electromagnetic brake enables hammer to be launched safely.
- Motorised hammer elevation with automatic return after each test, provides enhanced productivity and safety during use.
- Automatic test initiation upon closure of guard door.
- Manufactured using low friction rigid components.
- Simple touch screen operation.
- Charpy impact blades according to ASTM and ISO.
- Charpy impact test for metallic materials (EN 10045).
- Self-centring specimen placement grips (According to ISO 148-1 and ASTM E23).
- Pendulum geometric characteristics verification template (According to ISO 148-2).

## Optional accessories:

- Concrete fixing base.
- Automatic centring stop.
- Data acquisition software for connecting machine to a PC.

Capacity Joules	150/300/450/750
Release angle <small>Degrees</small>	150
Pendulum length <small>mm</small>	800
Maximum impact speed <small>m/s</small>	5.42
Resolution <small>Joules</small>	0.01
Dimensions (W x D x H) <small>mm</small>	2110 x 700 x 2110
Net weight <small>Kg</small>	1300
Power supply <small>v</small>	220
Power <small>w</small>	750



For Plastics and Composites

The Hoytom tabletop pendulum impact tester has been designed to test plastics and composites according to the Charpy or Izod impact testing standards.

It is available in capacities from 2 to 25 J. It is operated via a simple and intuitive touch screen.

Its octagonal guard includes a polycarbonate sliding door with an electrical interlock, which meets the requirements for CE marking and Standard ISO 13802.

## Characteristics:

- Available capacities:  
ISO 2, 4, 5, 7.5, 15, 25 / ASTM 2.7, 5.4, 10.8, 21.6 / IZOD 2.75, 5.5, 11, 22
- Automatic brake.
- Automatic test initiation upon closure of polycarbonate guard door.
- Simple operation via touch screen.
- Charpy impact blades according to ASTM or ISO.

Capacity Joules	ISO Charpy		ASTM Charpy	ISO/ASTM Izod
Pendulum length mm	Up to 5J 230	From 5J 340	340	340
Maximum impact speed m/s	Up to 5J 2.9	From 5J 3.46	3.46	3.46
Resolution Joules	0.01		0.01	0.01
Dimensions (W x D x H) mm	1000 x 600 x 1000			
Optional Table Dimensions (W) mm	+ 700			
Net weight Kg	200/300			
Power v	110-240			



# 3 Year Warranty



with all  
Hoytom<sup>®</sup>  
machines

When you purchase a Hoytom<sup>®</sup> machine the equipment comes with a 3 year warranty.

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