



Die Maschine

# Pendulum Impact Tester

# CHARPY

 Pro Series

# IZOD

 Pro Series

For Metals



New design



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 door, 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).
- Data acquisition software for connecting machine to a PC.

## Optional accessories:

- Concrete fixing base.
- Automatic centring stop.

| Capacity Joules                             | 150/300/450/750   |
|---|-------------------|
| Release angle<br><small>Degrees</small>     | 150               |
| Pendulum length<br><small>mm</small>        | 800               |
| Maximum impact speed<br><small>m/s</small>  | 5.42              |
| Resolution<br><small>Joules</small>         | 0.01              |
| Dimensions (W x D x H)<br><small>mm</small> | 2110 x 700 x 2110 |
| Net weight<br><small>Kg</small>             | 1300              |
| Power supply<br><small>v</small>            | 220               |
| Power<br><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<br>mm               | Up to 5J<br>230   | From 5J<br>340  | 340         | 340           |
| Maximum impact speed<br>m/s         | Up to 5J<br>2.9   | From 5J<br>3.46 | 3.46        | 3.46          |
| Resolution<br>Joules                | 0.01              |                 | 0.01        | 0.01          |
| Dimensions (W x D x H)<br>mm        | 1000 x 600 x 1000 |                 |             |               |
| Optional Table Dimensions (W)<br>mm | + 700             |                 |             |               |
| Net weight<br>Kg                    | 200/300           |                 |             |               |
| Power<br>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.

**Die Maschine**



[www.hoytom.com](http://www.hoytom.com)



[hoytom@hoytom.com](mailto:hoytom@hoytom.com)



[youtube.com/hoytom](https://www.youtube.com/hoytom)



[hoytom](https://www.soundcloud.com/hoytom)



[hoytom](https://www.linkedin.com/company/hoytom)