HOYTOM®

Die Maschine

KVALITEST INDUSTRIAL

Pendulum Impact Tester

CHARPY Lab Series

IZOD Lab Series

HyTT

For Metals

The HyTT 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 300 to 750 Joules.

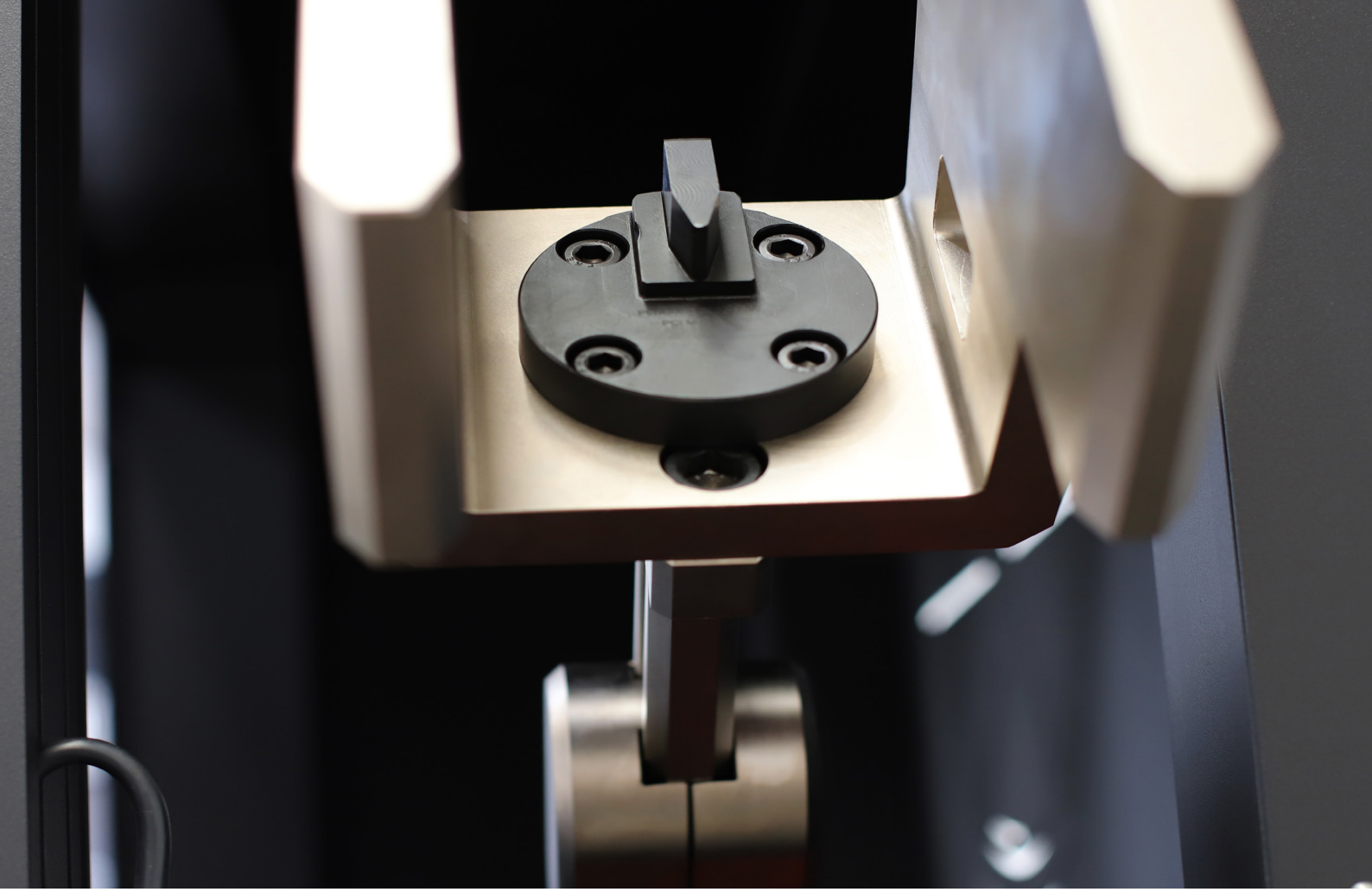
It can run tests automatically, and is operated via a simple and intuitive touch screen. Its guard includes a polycarbonate door, which meets the requirements for CE marking and Standard ISO 13849.

Characteristics:

- Available capacities: 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.
- Self-centring specimen placement grips (According to ISO 148-1 and ASTM E23).
- Foundation base according to standard EN ISO148-2 and ASTM E23
- Pendulum geometric characteristics verification template (According to ISO 148-2).
- Data acquisition software for connecting machine to a PC.

Optional accessories:

- Automatic centring device (Except 750 J model).



Capacity Joules	300/450/750
Release angle Degrees	150
Pendulum length mm	800
Maximum impact speed m/s	5.42
Resolution Joules	0.01
Dimensions (W x D x H) mm	2000 x 1150 x 2570
Net weight Kg	3000 (750J - 3500)
Power supply V	220
Power w	750

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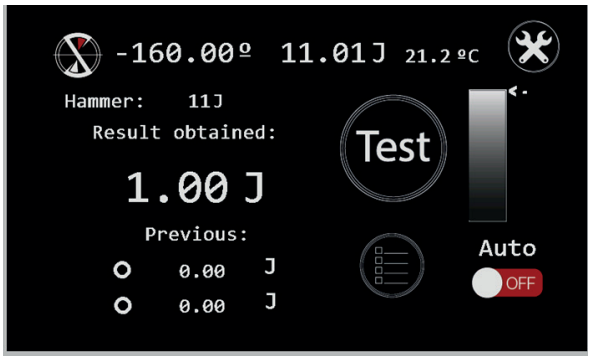
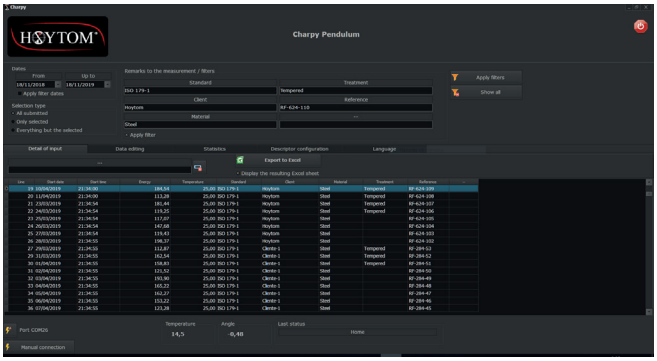
Impact Pendulum Software

Hoytom pendulum software allows easy reading of test results and provides users with an extensive database for viewing previous results, in its versions for both metals and plastics. The pendulum includes a touchscreen with test data and control. The device also has PC installation software connected to the machine via USB, giving users a very complete control database for testing and analysis.

Touchscreen software

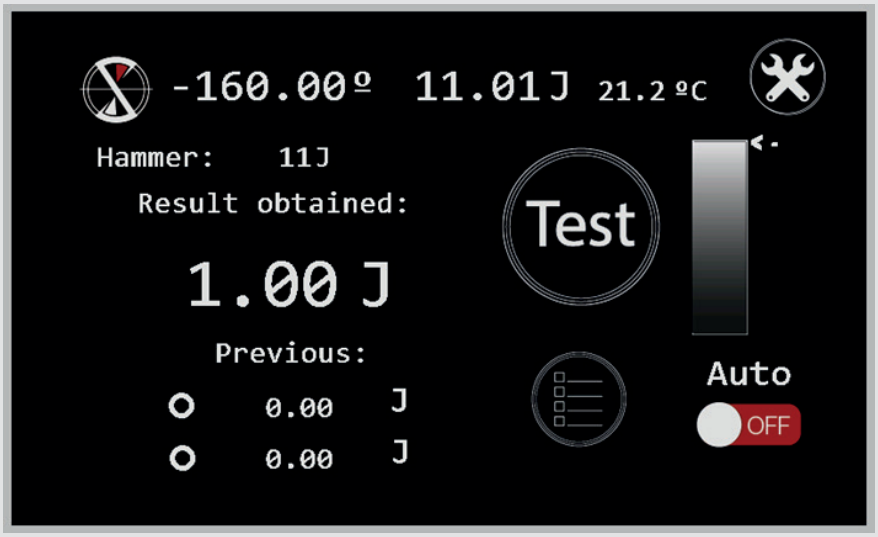


PC software



Main features of touchscreen software

Hoytom pendulum software has a display option with a touchscreen installed on the pendulum itself. This screen allows easy viewing of the result obtained, the most recent results or the selected hammer. It also has different options including hammer self-launch by simply closing the door, for carrying out series of quick tests.



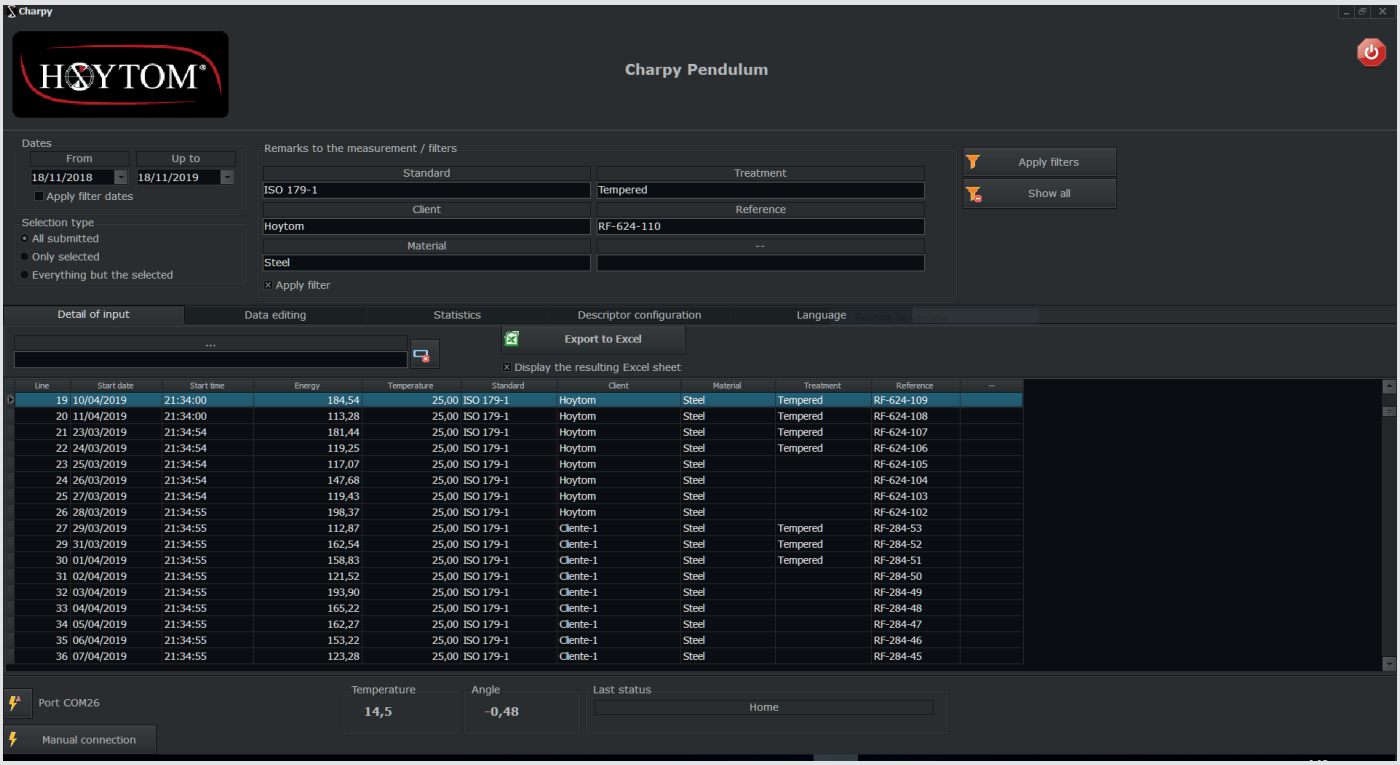
Touchscreen software main screen.

Other features:
- Friction loss calculation and calibration.
- Calculation and verification of the centre of percussion.
- Database for the last 10 tests (possibility of more records on PC software).
- Language selection. English, Spanish, German, French.

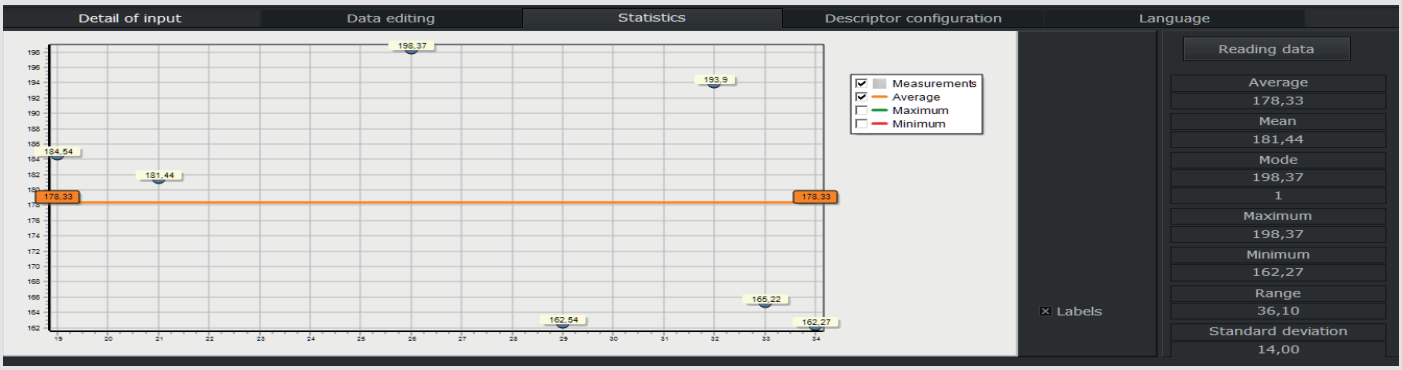
Main features of PC software

PC display option allows capture and recording of the testing performed. Machine requires USB cable connection to computer for use. The tests performed are saved to a database on synchronising the program with the pendulum.

Recorded tests can be checked to monitor the results obtained. Multiple search filters. Each test can be linked to a series of descriptions, defining it with a set of user-selectable features and notes. These descriptions can be customised and filtered during the searches. The data can be easily exported to an Excel file. This program also includes a section for making statistical calculations for a series of tests, with a graphic display of the values.



Easy-to-filter database.



Statistical calculations on the basis of the measurements made, facilitating test series calculation.

List of main features:

- The tests performed are recorded and stored in a database.
- Consultation of recorded tests.
- Multiple search filters for consultation of recorded tests.
- Data export to Excel file.
- Custom fields can be linked to each test for ease of traceability and identification.
- Statistical calculation of data sets.
- Machine status displayed via program.
- Language selection. English, Spanish, German, French.

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