



COESFELD
MATERIALTEST

Pendulum Impact Test

www.coesfeld.com

Impact Pendulum

0.2 to 50 Joule

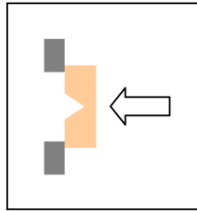


The Coesfeld Pendulum Impact Tester, PIT covers the full spectrum of plastic impact testing, e.g. Charpy, Izod, Tensile and Dynstat according to ISO and ASTM standards. Optional the system can be fully automated with motorized pendulum return and automated sample feeding system.

Our Pendulum Impact Tester works fully digital and is controlled via PC. Via Coesfeld WIN-Software measurements can be easily configured, conducted and evaluated. Simultaneously the course of measurement can be observed and controlled via optional touch panel.

Impact energy is immediately displayed and stored after each test. Results can be viewed and printed in predefined report format. Typical for Coesfeld systems raw data can be exported for further digital data processing.

Pendulum Impact Test



Charpy

ISO 179

0.5 to 5 J

2.9 m/s

7.3 to 50 J

3.8 m/s

ASTM D 6110

0.5 to 21,6 J

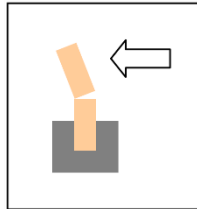
3.46 m/s

DYNSTAT

DIN 53435

0.2 bis 4 J

2.2 m/s



IZOD

ISO 180

1 to 44 J

3.5 m/s

ASTM D 256

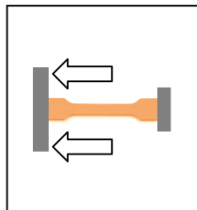
1 to 44 J

3.46 m/s

ASTM D 4812

1 to 44 J

3.46 m/s



Tensile

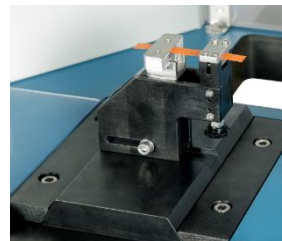
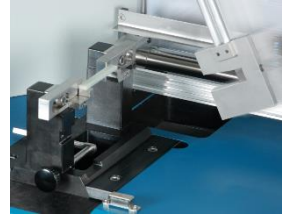
ISO 8256-A

2 to 4 J

2.9 m/s

7.5 to 50 J

3.8 m/s



Set-Up and Options

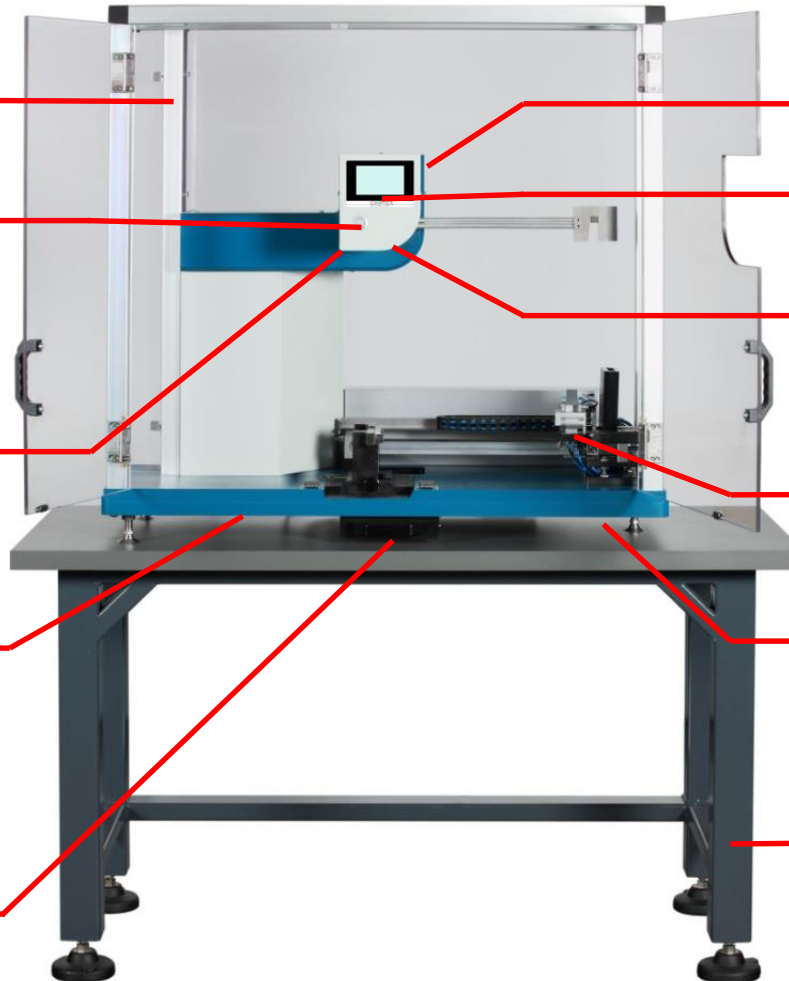
Partial housing
or optional full housing

Release button

Optional pendulum
detection

Solid steel frame

Optional drawer for
sample rest



Electric brake and
optional motor for
pendulum reset

Optional touch panel

Digital angle encoder

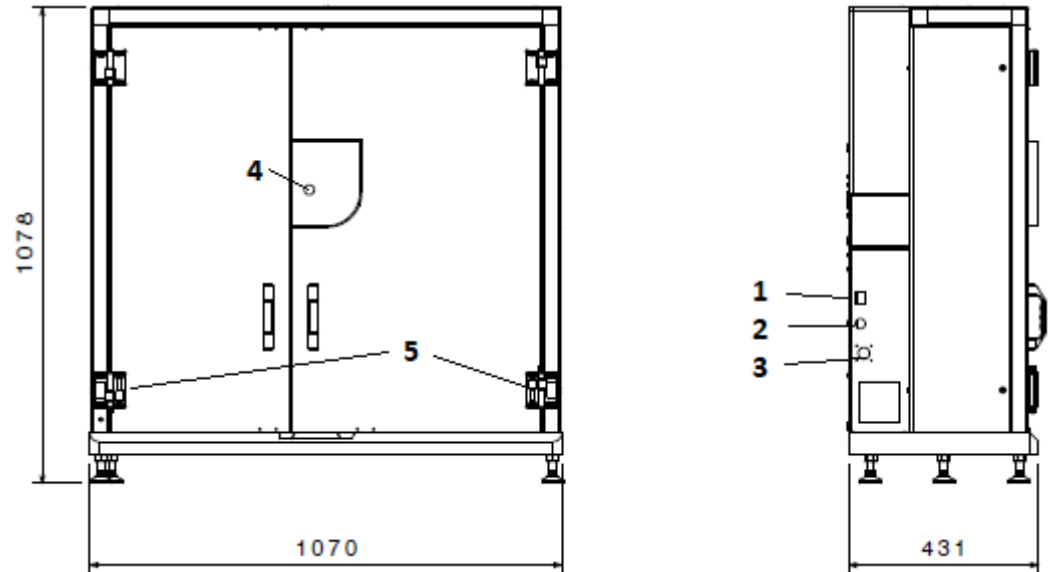
Optional sample feeder

Three feet for easy
alignment

Optional stable steel
table

Technical Data

The system runs fully electric. Control and measuring electronics are fully integrated. Pressure air is only required for automatic sample feeding systems.



Potential Energy	0.2 to 50 Joule
Automatic Drop Release	o
Automatic Brake	o
Speed Measurement at Impact	o
PC Data Evaluation and Software	o
Integrated Sample Gauge	optional
Temperature External Cooling Box	Accessory
Notch Cutter	Accessory
Automatic Pendulum Detection	optional
Automatic Sample Feeding	optional
Motorized Pendulum Return	optional
Weight	300 kg
Dimensions in mm (D x W x H)	431 x 1070 x 1078
Mains	230 V, 50/ 60 Hz, 2000 VA

Advantages

Modular Design

- Adjustable to International Standards

Integrated Electronics

- No Additional Set-Up Space

Massive Steel Frame

- High Impact Energy
- Low Vibration and Disturbance

Electric Brake

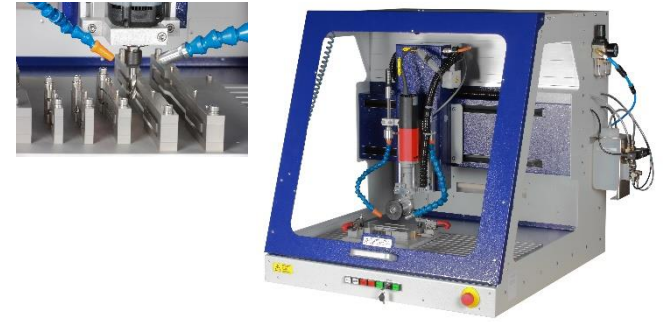
- Safe Operation
- Flexible Start Angle
- No Pressure Air Required

Accessories

Punching



Milling



Gauge



Notching



Cooling



COESFELD

MATERIALTEST



Deutsche
Akkreditierungsstelle
D-K-15093-01-00



TESTING EQUIPMENT

for Plastics and Rubber

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