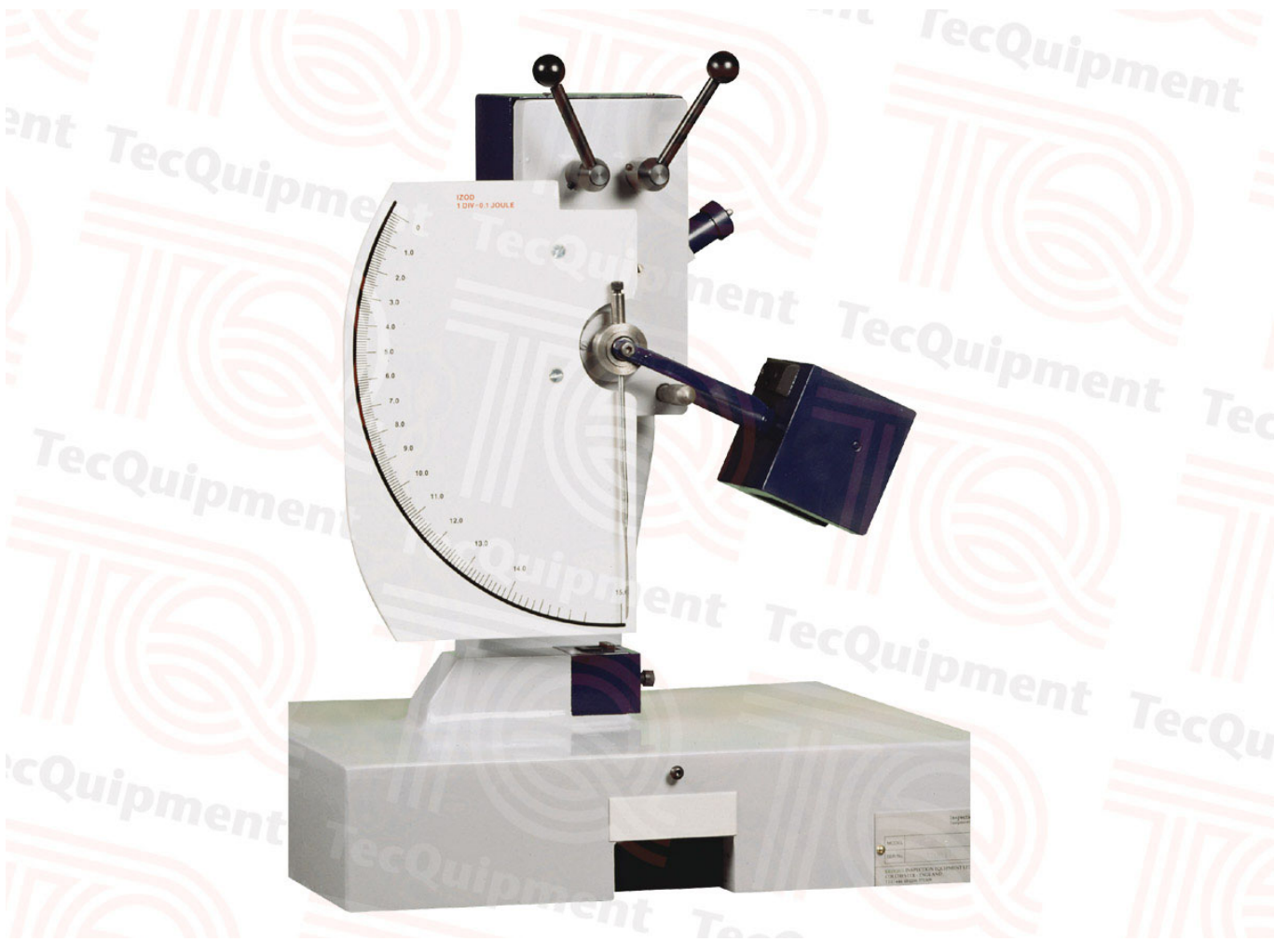


MAT20**Izod Impact Tester for Plastics**

***Compact impact tester for Izod tests
of impact strength of plastics***



- For plastic materials
- Simple operation
- Compact – for use on strong workbench
- Safety guards
- Large direct-reading scale
- Quick and simple set-up and change between tests
- Two-handed release system for safety

- TecEquipment Ltd, Bonsall Street, Long Eaton, Nottingham NG10 2AN, UK
- **T** +44 115 972 2611 • **F** +44 115 973 1520 • **E** info@tecquipment.com • **W** www.tecquipment.com
- An ISO 9001 certified company

MAT20

Izod Impact Tester for Plastics

Description

A compact, bench-mounting tester. It finds the resistance to fracture by impact shock of plastic materials.

The prepared test specimen mounts vertically in the base of the machine. A single blow of the pendulum hammer of the machine fractures the specimen.

The tester has a heavy base with integral test specimen support block and grips. The pendulum moves on bearings. A locking system holds the pendulum in the raised position. For safety, the operator has to use both hands and levers to release the pendulum. An integral guard and 'pendulum stop' allow safe installation of the test piece and use of the machine.

The grips of the specimen support hold the test specimen. The operator uses a setting gauge when fitting the specimen. This ensures that the notch of the specimen lies in the same plane as the upper surface of the specimen support.

The single-arm pendulum has a hammer with a striking nose that presents a surface radius to the test specimen. A dial shows the energy absorbed in breaking the specimen (in Joules).

Standard Features

- Supplied with user guide
- Two-year warranty
- Manufactured in accordance with the latest European Union directives

Note: TecEquipment supplies this product because it is a useful addition to materials testing laboratories. TecEquipment does not manufacture this product. It is a laboratory standard tool for material tests, so it does not include experiments or educational material.

Material Tests

- Izod to 15 Joules

Essential Services

Bench space needed:

600 mm x 600 mm

You must fix the tester firmly to a strong and rigid bench.

Operating Conditions

Operating environment:

Laboratory environment

Storage temperature range:

-25°C to +55°C (when packed for transport)

Operating temperature range:

+5°C to +40°C

Operating relative humidity range:

80% at temperatures < 31°C decreasing linearly to 50% at 40°C

Specifications

Nett dimensions and weight:

510 mm x 410 mm x 650 mm and 135 kg

Packed dimensions and weight:

Approximately 0.3 m³ and 270 kg

- Pendulum Impact Energy: 15 joules
- Angle of drop of pendulum: 120°
- Effective weight of pendulum: 4.67 kg
- Striking velocity of pendulum: 2.45 m.s⁻¹