



# Impact Tester

The NEW Modern Instruments Impact Testers allow reproducible conditions of impact to be defined. Pass/fail limits are established and a classification of the coating to be achieved.

This instrument consists of a graduated vertical tube mounted into a solid base. This tube acts as a guide for an impacting weight of pre-determined mass. The height from which this falls is variable. By using the locking collar, exactly the same force of impact can be produced for each test. The weight and indenter are combined and strike the panel directly.

## Applications

Most protective coatings and constructional materials can be tested

- Paints, plating plastics
- Varnishes, plastic coatings, resins/composites
- Coil coatings, laminations, sheet materials, metals, wood



# Standards

**QCJ Impact Tester:** GB 1732-79

**TCJ-II Impact Tester:** ISO 6272,ASTMD2794,NCCAII-10(II-6, II-16) and X-1,ECCA  
Meth.No.5,NFT30-039

**ZCJ Heavy-Duty Impact Tester:** ISO6272, ASTMD2794, D3029, D4226

# Technical Specification

Description	Impact Tester for Paint Film		Impact Tester	Heavy Duty Impact Tester
Type	QCJ-II(0.5m)	QCJ-II-A(1m)	TCJ-II	ZCJ
Impact Method	Spherical Indenter		Weight Drop	Spherical Indenter
Drop Height	0~50cm	0~100cm	0~100cm 0~40inch	0~100cm 0~40inch
Falling Weight	1kg		1kg/2Lbs	1kg/300g
Additional Weight	-		1kg/2Lbs	1kg
Steel Ball Diameter	8mm		20mm/15.9mm	12.7mm/15.9mm
Base Aperture	15mm		27mm/16.3mm	16.3mm/31.75mm
Overall Size(mm)	252*140*840mm	252*140*1340mm	300*300*1400mm	300*240*1400mm
Weight	14kg		19kg	18kg

# Ordering information

Type	Name
QCJ-II(0.5m)	Impact Tester for Paint Film
QCJ-II-A(1m)	
TCJ-II	Impact Tester
ZCJ	Heavy Duty Impact Tester



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