



CHARPY IMPACT SPECIMEN NOTCH PROJECTOR TT50X

Metal impact test requires precision in the notch of the specimen, as even slight variations can significantly affect test results. Ensuring the quality of the specimen notch is therefore crucial. Optical projection magnification inspection is currently the only practical method to guarantee the quality of the impact specimen notch.

APPLICATIONS

Metal impact test requires precision in the notch of the specimen, as even slight variations can significantly affect test results. Ensuring the quality of the specimen notch is therefore crucial. Optical projection magnification inspection is currently the only practical method to guarantee the quality of the impact specimen notch.

The TT50X Charpy Impact Specimen Notch Projector is specifically designed and developed in accordance with ASTM E23-18 "Standard Test Methods for Notched Bar Impact Testing of Metallic Materials" 8.2.2. This specialized and patented optical instrument inspects the quality of the notch processing for Charpy V-type and U-type impact specimens. It is an essential tool for physical and chemical laboratories in metallurgy, boiler and pressure vessel industries, vehicle and shipbuilding, engineering machinery manufacturing, and scientific research departments.

Charpy Impact Specimen Notch Projector

FEATURES

- The screen is marked with a clear scale, tolerance, angle value, and depth line, allowing accurate notch error readings. It meets American and Europeans Standard, such as ASTM E23, ISO 148, ISO 83, and EN 10045
- Customizable to meet specific requirements for detecting the gap of 3mm or 5mm impact specimens.

TECHNICAL SPECIFICATIONS

Magnification	50X
Objective lens magnification	2.5X
Projection objective magnification	20X
Projection Screen Diameter	Φ200 mm
Workbench Size:	
Square table	110x125 mm
Round table	Φ90 mm
Workbench glass diameter	Φ70 mm
Worktable Stroke:	
Longitudinal	±10 mm
Transverse	±10 mm
Lifting	±12 mm (no scale)
Table Rotation Range	0° - 360° (no scale)
Light Source (Halogen Tungsten Lamp)	12V 100W
Power	220V 150W (110V Available upon request)
Dimensions (L x W x H)	510 x 220 x 600 mm
Weight	20 kg



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

