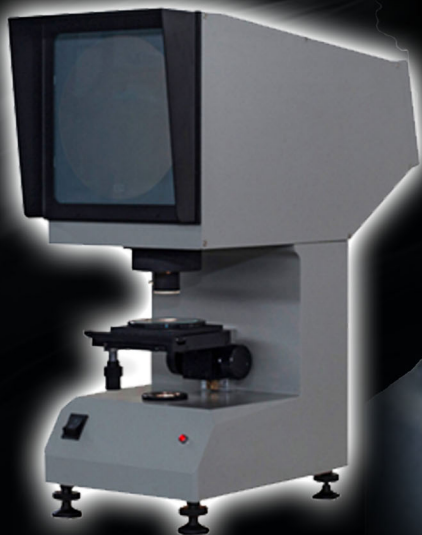


# Notch Projector For Impact Test

## CST-50

## CHARPY V OR U-SHAPED IMPACT SPECIMENS



CST - 50 type impact test specimen projector is my company according to the actual needs of the masses of users and GB/T299-2007 in metal charpy impact test method for impact test specimen gap requirements and the development of a dedicated to test the charpy V type and U type gap processing quality of optical instrument, this instrument is to use optical projection method will be the impact of the test sample V and U gap contour after magnified 50 times projected on the projection screen, and the impact of the projection screen sample V and model contrast figure, u-shaped gap standard to determine whether the gap of the samples tested to be qualified. Its advantage is simple operation, the contrast is intuitive. Working principle:

The light from the light source of this projector is illuminated to the object to be measured through the condenser, and then the magnified outline of the object to be illuminated is projected onto the projection screen through the objective lens. According to the needs, this instrument is a single projection lighting, the light source is projected on the work table through a series of optical elements, and then through a series of optical elements, the notch profile of the tested sample is clearly projected on the projector. After secondary magnification and secondary reflection, the image seen on the projection screen is in line with the position of the actual sample.

## Specification

- Diameter of projection screen: 180mm
- Table size:
  - Square table size: 110×125mm
  - Diameter of round table: 90mm
  - Table glass diameter: 70mm
- Table travel:
  - Vertical: ± 10 mm
  - Cross to: ±10 mm
  - Ascending and descending: ±12mm (without scale)
- Rotation range of table: 0~360° (no scale)
- Instrument magnification :50X
  - Magnification of objective lens: 2.5x
  - Magnification of projection objective: 20X
- Light source (halogen tungsten lamp) : 12V 100W
- Power supply: 220V 50Hz
- External dimensions: 515×224×603mm (length × width × height)
- Weight: about 18Kg



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