QC-640D Automated Impact Specimen V-Notcher

Standard

JIS K7110, ASTM D256, ASTM D6110, ISO 179, ISO 180, ISO 2818

Description

The Automated Impact Specimen V-Notcher is equipped with a precision ball screw, designed to cut accurate V-shaped notches on standard specimens for impact testing. Different cutter types can also be switched to meet various testing standards.

With a newly designed electric drive system, the machine not only minimizes human error but also shortens specimen preparation time by optimizing forward and return feed rate.

The cutter is fully enclosed for safety, and both its rotational speed and feed rate can be easily adjusted via the control screen.

An standard dust extraction system automatically activates before cutting and shuts off during the return stroke, reducing contamination and extending the machine's service life.

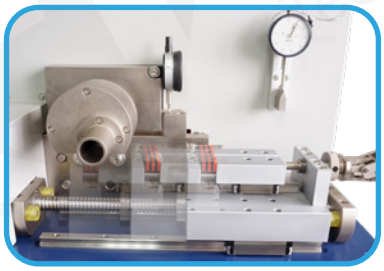


Specification

Cutting Speed	500-2500 RPM
Platform Moving Speed	30 - 700 mm/min
Platform Stroke	200 mm
Max. Specimen Clamping Thickness	21 mm
Cutting Depth	8.0 ± 0.2 mm (ISO) / 10.16 ± 0.05 mm (ASTM) Easy to switch specimen form with standard block
Cutter Form	A type cutter 45°, r = 0.25 mm (standard one) B type cutter 45°, r = 1.0 mm C type cutter 45°, r = 0.1 mm
Standard Accessories	ASTM block, ISO block, dial gage ×2 (to test specimen thickness and cutting depth), brush, open-end wrench, hex wrench, hook wrench, dust extraction device
Power	Single phase 100 - 240 VAC
Dimensions (WxDxH)	48 x 54 x 38 cm
Weight	Approximately 80 kg

Machine Features







New Fully Electric Cutting System

The cutting platform automatically operates at high speed during non-cutting strokes, significantly reducing specimen preparation time.

The cutting speed can be adjusted based on the hardness of the material, ensuring optimal cutting performance.



Dust Extraction System

Before cutting, the machine automatically activates the dust extraction system, and it turns off once the cutting process is completed.

This system efficiently removes debris generated during the cutting process, helping to reduce noise, keep the testing area clean, and extend the machine's service life, making the operation safer and more convenient.

Machine Features

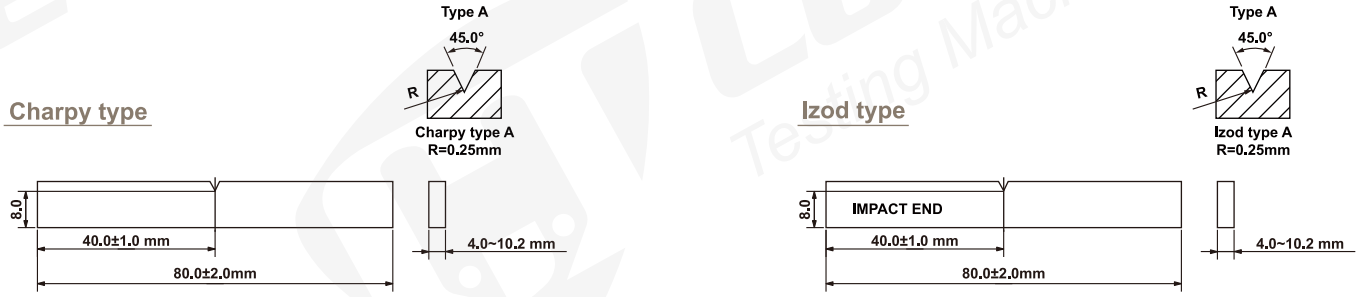


Optimized Fixture Design

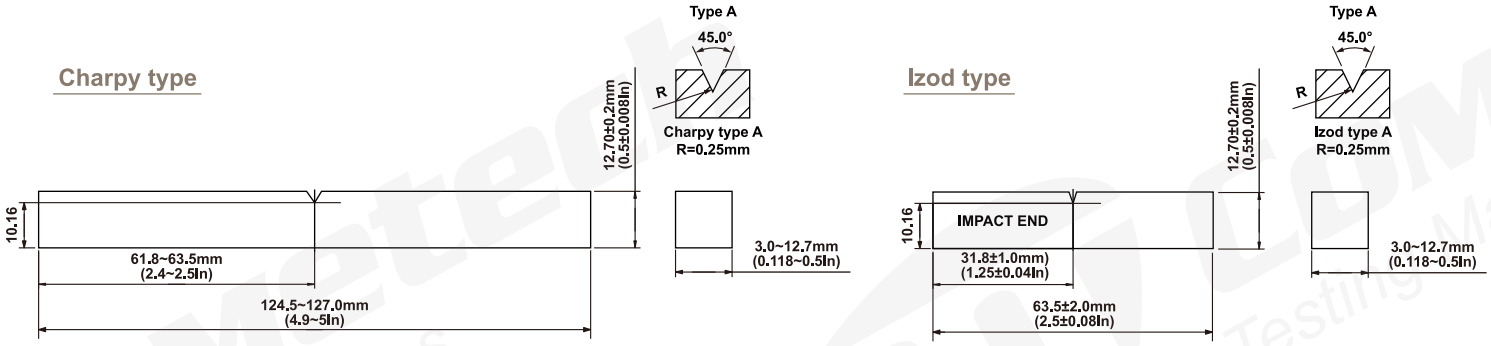
The fixture position can be quickly adjusted and secured, reducing the preparation time required before cutting specimens.

With an increased clamping space, multiple specimens can be cut simultaneously, improving overall work efficiency.

ISO Sample Dimensions



ASTM Sample Dimensions



*Cometech reserves ultimate modification right of product specification.

Cometech Testing Machines

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