



Specimen Notching/Broaching Machine

Standards: [ISO 148](#), [EN 10045](#), [ASTM E23](#), [DIN 50115](#),
[ASTM E74 \(Class AA\)](#)



ULTIMATE USER-FRIENDLINESS



LEADING DEPENDABILITY AND RELIABILITY



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STOCKED CONSUMABLES AND SPARES



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Description

The GenNotch 4000 Series is a dual-chamber motorized broaching / notching machine designed for Charpy Test notch specimens. This floor-mounted self-contained unit is equipped with a user-friendly interface for ease of operation. The GenNotch 4000 is designed for cutting Charpy and Izod V-type and U-type notches according to the latest industry standards, delivering the highest quality notching samples equivalent to that of a milling machine.

The GenNotch 4000 is able to prepare two specimens at one time due to its dual broaching system in mere seconds with exceptional accuracy and repeatability every time. The state-of-the-art manufactured broaching knives can be purchased based on your preferred V or U types specimen preparation needs. The standard knives have been upgraded to prepare specimens up to 48 HRC.



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GenNotch 4000 Series - Charpy / Izod Metal Impact Notching Machine

ASTM E23 Notching & Broaching Knives (34–48 HRC) – Spare Parts & Consumables Overview

Our spare parts and consumables offering for the Specimen Notching & Broaching Machine includes precision-ground notching and broaching knives manufactured to meet the requirements of ASTM E23. These cutting knives are suitable for materials across a wide hardness range, from 34 HRC up to 48 HRC. Designed for performance and long service life, many knives are cross-compatible with other systems; however, we recommend confirming compatibility with your technical consultant prior to purchase to ensure the correct tooling and optimal performance for your specific application.



Watch Video



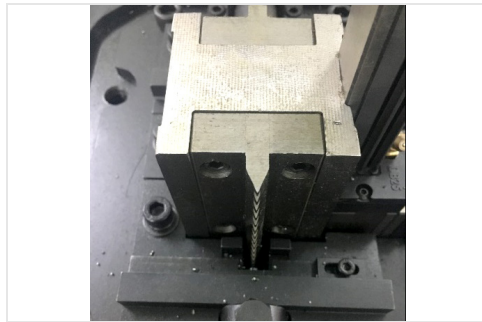
Watch the Specimen Notching/Broaching Machine product video.

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Technical Specifications

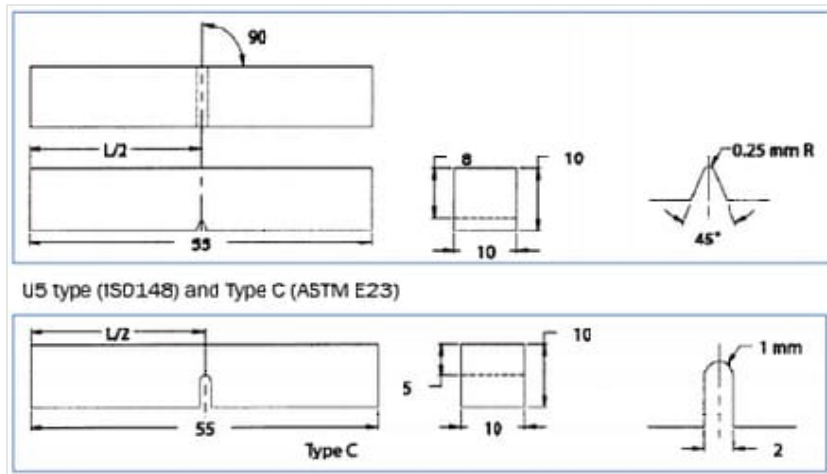
GenNotch 4000 Series	
Broacher Travel	340±10mm
Speed	2-3m/min
Lubrication System	Lubricating oil circulation, the oil is interchangeable
Hydraulic Oil	L-HM46 (Anti-wear)
Oil Volume	20L
Power Consumption	350W
Power Requirements	3-phase, 5-line, AC 220V±10%, 50Hz
Machine dimension (LxWxH)	22.83 x 15.75 x 44.90-inches 58 x 40 x 114cm
Weight	440lbs / 200kg





Test Specimens

GenNotch 4000 Series	
Specimen Size	10x10(7.5, 5, 2.5)x55mm
Specimen Hardness	≤HRC42
Notch Type	V type: depth 2mm, 45°±2°, r=0.25mm±0.025mm
	U2 type: depth 2mm, width 2mm, r=1mm±0.05mm
	U3 type: depth 3mm, width 2mm, r=1mm±0.05mm
	U5 type: depth 5mm, width 2mm, r=1mm±0.05mm



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