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Notch Making Machine - GenNotch 4000 Series

The GenNotch 4000 Series is a motorized broaching 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.

Alternative models including variable motor speeds for wider material ranges are available at your request.

Standards

ISO148, EN10045, ASTM E23, DIN 50115

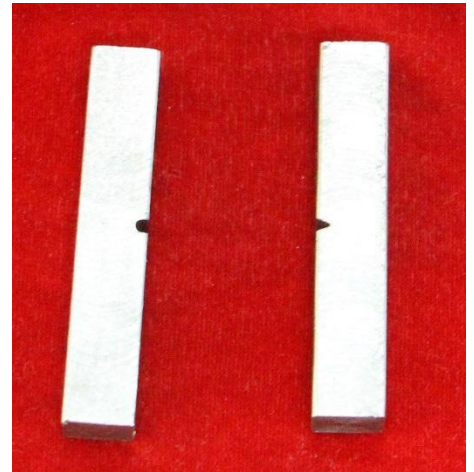
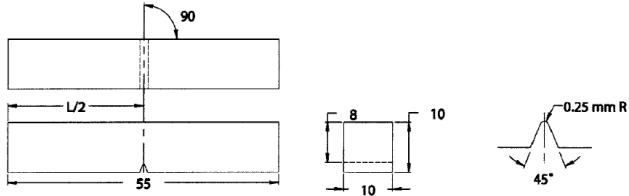
Technical Specifications

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	500W
Power Requirements	3-phase, 5-line, AC 380V±10%, 50Hz
Machine dimension (LxWxH)	43 x 75 x 125cm
Weight	200kg

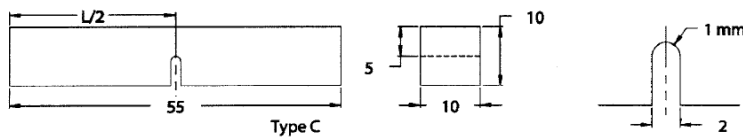


Test Specimens

- Specimen size: 10x10(7.5, 5, 2.5)x55mm
- Specimen hardness \leq HRC34 Specimen tensile strength: $<$ 600MPa
If hardness \leq 42HRC, M42 material for broacher knife will be used.
For higher strength than 600MPa, the broacher knife will be customized and customer need provide specimen.
- **Notch type:**
V2 type (ISO148) and Type A (ASTM E23)



U5 type (ISO148, GB/T229, Gost 9454) and Type C (ASTM E23), non-standard type, short using life, no warranty



Optional notch type:

U2: depth 2mm, width 2mm, $r=1\text{mm}\pm 0.05\text{mm}$, comply with GB/T229, Gost 9454

U3: depth 3mm, width 2mm, $r=1\text{mm}\pm 0.05\text{mm}$, comply with Gost 9454



Operations Process:

