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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.

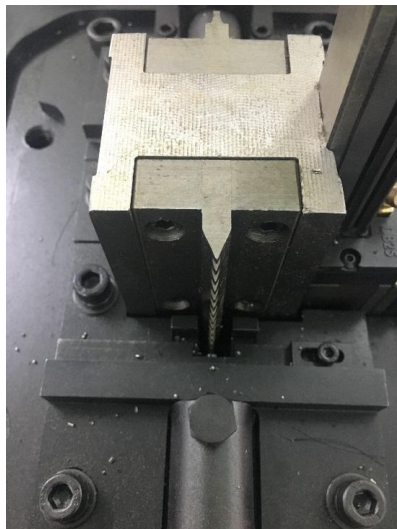
Alternative models including variable motor speeds for wider material ranges are available at your request.

### 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	350W
Power Requirements	3-phase, 5-line, AC 220V±10%, 50/60Hz
Machine dimension (LxWxH)	22.83 x 15.75 x 44.90-inches 58 x 40 x 114cm
Weight	440lbs / 200kg



**Additional Notching Solutions (Available on Request):**



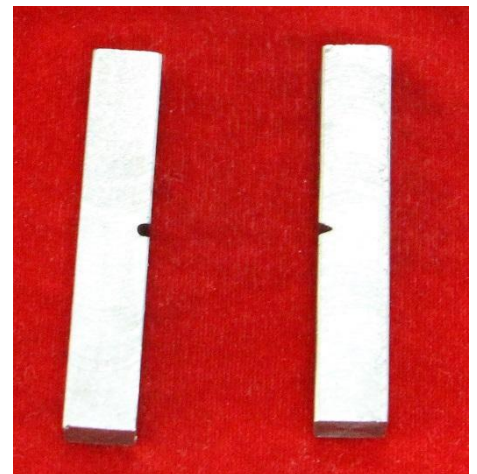
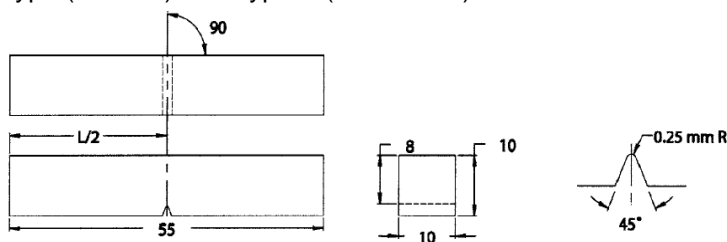
**Manual Notching System**



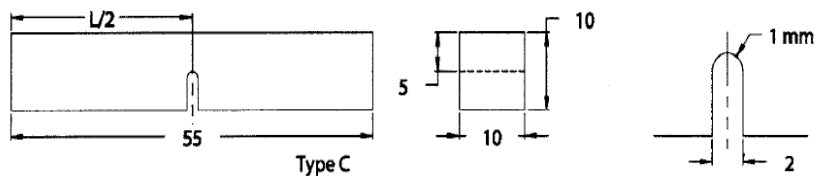
**Triple Notching System Upgrade**

**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**





### Notching Options:

**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:

