

HST-NM-II Automatic Notch Maker



1. Overview

The electric notching machine is used to make notched specimens for cantilever beam and simply supported beam impact tests. It can be used by scientific research institutions, colleges and universities, non-metallic material manufacturers and related quality inspection agencies to make notched specimens. It is a sample making equipment with a simple structure, easy operation, and the ability to mill one or more specimens at a time with high precision.

2. Operating principle

It adopts mechanical cold working rotary cutting method, and the cutting depth can be manually fed. After the notch of the sample is completed, it can be electrically returned to the cutting origin, which is extremely convenient to operate.

3. Instrument features

3.1 Triple Safety Protection Devices

Left and right limit switches and anti-collision limit switches ensure the feed mechanism moves within a defined range. The cutting power supply is located separately on the left to prevent accidental activation of the cutting motor. The cutting motor is activated only when the protective cover is lowered, and the power supply is turned off, ensuring 100% safety for test personnel.

3.2 This type of product uses the automotive painting process for the first time, with a beautiful and elegant appearance.

This is the first product of its kind to use a 9-layer automotive paint process, which permanently maintains the

bright color and beautifies your office environment.

3.3 High reliability and high stability

The feed motor, rotary cutting motor and buttons provided by well-known brands are used to ensure that all components are stable and reliable.

4. Technical parameters

- Rotating motor speed: 240r/min;
- Tool travel: 20mm;
- Processing notch depth: 0~2.5mm adjustable;
- Workbench stroke: >90mm;
- Number of samples clamped at a time: 20;
- Tool type parameters: Type A tool: $45^{\circ} \pm 1^{\circ}$ $r=0.25 \pm 0.05(\text{mm})$;
Type B tool $45^{\circ} \pm 1^{\circ}$ $r=1.0 \pm 0.05(\text{mm})$;
Type C tool $45^{\circ} \pm 1^{\circ}$ $r=0.1 \pm 0.02(\text{mm})$;