

# Glove Cut Resistance Tester

This glove cutting test machine is designed for evaluating the cut resistance of materials. It applies controlled force to a rotating blade, measuring cycles to cut through the sample.



## Overview

### Precision Cut Resistance Testing

This glove cut resistance tester is engineered to evaluate the durability and safety performance of protective gloves and various materials. Utilizing a precision-controlled rotating circular blade, the system measures the exact number of cycles required to cut through a sample under standardized loads. It is an essential tool for quality control, research, and development within the personal protective equipment industry, ensuring compliance with international safety standards.

## Standards & Compliance

|                   |  |
|-------------------|--|
| Testing Standards | EN ISO 20344, GB/T 20991, EN 388, EN 340 |
|-------------------|--|

## Technical Parameters

### Blade Specifications

**45 mm**  
Diameter

**3 mm**  
Thickness

**770 HV**  
Hardness

### Performance Metrics

| Parameter               | Value       |
|-------------------------|-------------|
| Load on blade           | 5 ± 0.05 N  |
| Cutting speed           | Max 10 cm/s |
| Horizontal displacement | 50 mm       |
| Total cutting angle     | 30° - 35°   |

## General Specifications

|                        |                             |
|------------------------|-----------------------------|
| Dimensions (L x W x H) | 550 x 400 x 250 mm          |
| Weight                 | 57.5 kg                     |
| Power Supply           | 220V 50Hz                   |
| Counter Display        | LCD, 0 to 99,999,999 cycles |