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	3 mm	770 HV
Diameter	Thickness	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 × 400 × 250 mm
Weight	57.5 kg
Power Supply	220V 50Hz
Counter Display	LCD, 0 to 99,999,999 cycles