Test Method: ASTMF2412-18A, ASTMF2413-18
RESOTECH SAFETY FOOTWEAR IMPACT TESTER
MODEL NO. RESOTECH SCH-030

This machine allows determining the impact resistance of safety & protective footwear & toe caps. This equipment is mainly used for determination of impact resistance test safety shoes toes with a certain kinetic energy, and a certain height, to impact test of the steel toe of safety shoes, testing its subsidence degree, in order to understand the quality of safety shoes

Application

Safety Footwear Impact Tester Is To Test Safety Shoe Toe Cap Impact Resistance Ability By Impacting Safety Shoe Toe Cap With Certain Energy. Safety Shoe Impact Test Methods Include ISO 20344, EN 12568, ANSI Z41 And Etc.

Principle

This Impact Tester is equipped with a steel striker in the required mass. When release striker, it would drop down freely on the vertical guides from a certain height to give certain impact energy. With mechanism provision to catch the striker after the first strike to ensure the toe cap would be hit for only once. Alarm before the striker falls down.

Procedure: Mount the specimen in the impact tester and make sure the striker would hit it in a certain position as per standard. Then release the striker from a certain height and give required energy.

Features

- Impact height can be set according to your requirements;
- Automatically lift the striker to a pre-determined height;
- Photoelectric switch to detect the speed;
- With emergency stop function;
- With Safety Cover.

Specification

Model	RESOTECH SCH-030（ISO）	RESOTECH SCH-030（ASTM）
Impact Height	0- 1500mm	
Impact Energy	0~200±2 J	0~100±2 (101.75)J
Striker	Wedge, Length 75mm,Angle 90°	Cylinder Length 50.8±3.2 mm, Diameter 25.4mm
Striker Size	Corner radius R3 mm	Diameter 25.4mm
Striker Mass	20±0.2 kg	22.7±0.23kg
Power	1∮AC220V 50HZ 5A	
Size (L x W x H)	60 x 70 x 220cm	
Weight	240kg	
Standards	ANSI-Z41, BS EN-344, CSA-Z195, ISO-20344, LD-50, EN ISO 20344:2004, LD50-1994, ASTM F2412-11, EN12568-2010, CNS 6863-82, B 4014-1983, JIS-T8101:2000	