

Automated Bottle Cutter Machine with Conveyor Belt

Abstract:

The present invention relates to an automated bottle cutter machine designed for efficiently and safely cutting open sealed bottles. The machine employs a novel combination of a cutter and a conveyor belt, allowing for automated processing of sealed bottles without damaging the sample bottles or the contents within. The machine is constructed primarily of stainless-steel material 304 (it can also be using plastics, aluminium and other materials), ensuring durability and longevity. By utilizing this innovative technology, the machine eliminates the need for manual labour traditionally associated with bottle opening processes. Users simply load sealed bottles onto a sample tray, and the machine automatically feeds them onto the conveyor belt where the sealing tapes, labels, or adhesives are cut open. The machine can be easily controlled through a simple on/off switch, making it user-friendly and efficient.

Description:

The Customized Bottle Cutter Machine with Conveyor Belt is a revolutionary device designed to streamline the process of opening sealed bottles in various industries, including but not limited to pharmaceuticals, food and beverage, and laboratory research. The machine incorporates cutting-edge automation technology to provide a hassle-free solution for bottle opening tasks.

Key Features:

Automated Process: The machine's primary novelty lies in its automated process, which combines a cutter mechanism with a conveyor belt system. This automation eliminates the need for manual intervention, thus enhancing efficiency and reducing labour costs.

Versatility: The machine is capable of cutting open sealed bottles made from various materials, including plastic, glass, and metal. It effectively removes sealing tapes, labels, and other adhesives without causing damage to the sample bottles or their contents.