

Manual Benchtop Battery Electrode Sheet Cutting Knife

Item Number: MQ07



Introduction

Manual benchtop battery electrode sheet cutting knife with 380 mm cutting length, high speed tool steel blade, pressure bar, ruler, and stable base for laboratory cell research and aluminum plastic film preparation workflows in demanding materials research laboratories.

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Application	Description	Key Benefit
Battery electrode preparation	Cut positive electrode sheets to the required laboratory sample dimensions before cell assembly or downstream testing.	Supports organized and repeatable preparation of cathode material samples.
Negative electrode preparation	Prepare negative electrode sheets for coin-cell, pouch-cell, or other laboratory battery development workflows where manual sheet cutting is appropriate.	Provides a dedicated cutting method for anode research activities.
Pouch-cell component preparation	Cut aluminum plastic film used in pouch-cell development and related packaging preparation tasks.	Extends one benchtop tool across both electrode and cell component preparation.
Battery R&D laboratories	Perform routine material cutting during formulation studies, process trials, and prototype cell preparation.	Offers a direct manual workflow that can adapt quickly between experiments.
Academic materials research	Support teaching laboratories and research groups investigating electrochemical materials, electrode structures, and cell fabrication methods.	Delivers an accessible preparation tool for controlled laboratory work.
Pilot process development	Prepare electrode and film samples during early-stage process evaluation before larger-scale equipment selection.	Helps researchers assess material handling requirements at laboratory scale.
Advanced materials research	Use the unit for controlled cutting of relevant sheet-form materials in materials science experiments where the specified cutting length is suitable.	Provides a defined working platform and integrated dimensional reference.

Parameter	Specification
Model	MQ07
Primary application	Cutting positive and negative electrode sheets; cutting aluminum plastic film
Cutting length	380 mm
Base plate dimensions	380 mm × 300 mm
Blade material	High speed tool steel
Pressure bar	Included
Ruler	Included
Weight	3.5 KG