

Electric Coin Cell Crimping Machine Battery Sealing Press

Item Number: CC02



Introduction

Electric coin cell crimping machine for laboratory battery research, capacitor sealing, small batch production, adjustable pressure, interchangeable dies, vibration free operation, and precise reliable forming across diverse materials processing applications.

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Application	Description	Key Benefit
Battery Material Research	Seal CR20 series coin cells after electrode, separator, and electrolyte preparation during laboratory battery experiments.	Repeatable pressure settings support consistent sample preparation across test batches.
Coin Cell Prototype Development	Produce research samples for evaluating new electrode materials, formulations, and cell assembly procedures.	Controlled electric forming reduces operator effort and improves process consistency.
Capacitor Research Sealing	Perform sealing operations for capacitor research and related laboratory sample preparation.	Adjustable digital pressure allows the operator to establish a defined sealing condition.
Small Batch Factory Trial Production	Support limited trial runs before larger-scale manufacturing or process qualification.	Compact construction and interchangeable dies provide flexible production support without requiring a large press system.
Dry Powder Pressing	Use compatible replacement tooling for dry powder pressing tasks in materials research.	High available force and a rigid structure support repeatable forming operations.
Wet Powder Pressing and Forming	Configure the unit for wet powder pressing, forming, or related sample-making work with suitable dies.	One electric platform can support multiple laboratory forming processes.
Riveting Operations	Adapt the tooling for riveting tasks where a controlled linear forming force is required.	The motorized drive provides stable movement and reduces manual operating effort.
Glovebox-Based Cell Assembly	Position the unit for use with a glovebox workflow when the 360 mm transfer chamber is unobstructed.	Compact dimensions simplify transfer and placement in controlled laboratory environments.

Parameter	Specification
Product Item Number	CC02
Equipment Type	Electric coin cell crimping and sealing machine
Primary Use	Coin cell sample preparation for laboratory battery material research; capacitor research sealing; small-batch factory trial production
Drive Method	Electric drive
Pressure Control	Precise sealing pressure control with freely configurable digital input
Maximum Sealing Pressure	Max. 1000 kg, digitally displayed and settable
Sealing Stroke	25 mm
Standard Sealing Die	CR20 sealing die
Standard Compatible Cell Formats	CR2016, CR2025, CR2032
Optional Tooling	Other sealing dies available; tooling can also be changed for dry powder pressing, wet powder pressing, forming, riveting, and other operations

Parameter	Specification
Power Supply Voltage	Single-phase 110 V to 220 V AC $\pm 10\%$
Frequency	50 Hz / 60 Hz
Rated Power	0.1 kW
Control Interface	HIM touchscreen
Glovebox Transfer Compatibility	Can pass directly through a 360 mm diameter glovebox transfer chamber when unobstructed by components such as a slide plate
Overall Dimensions	L270 mm $\times$ W185 mm $\times$ H570 mm
Weight	30 kg