

Electric Riveting Machine For Supercapacitor And Capacitor Cell Assembly

Item Number: CX13



Introduction

Electric riveting machine for supercapacitor and horn type capacitor cell assembly, delivering adjustable riveting height, motor driven operation, customizable tooling travel, and approximately 10 pieces per minute output for dependable production workflows.

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Application	Description	Key Benefit
Supercapacitor cell cover riveting	Riveting cell top covers during supercapacitor cell assembly, where cover positioning and a controlled joining action are required.	Supports a dedicated process for securing top-cover components in supercapacitor production workflows.
Supercapacitor tab assembly	Joining cell tabs as part of supercapacitor cell construction. The equipment can be configured around the relevant cell size and chuck-travel requirements.	Adjustable height and customizable compatibility help align the process with the target cell design.
Horn-type capacitor manufacturing	Riveting operations for horn-type capacitor cells, including their cell cover and tab-related assembly work.	Provides a production-oriented, motor-driven riveting method for this capacitor format.
Slip-thread riveting	Processing slip-thread components associated with the specified cell assembly applications.	Automatic riveting action supports repeat handling of applicable components.
Capacitor pilot-line development	Establishing and evaluating a repeatable riveting step while developing capacitor cell assembly processes.	Customizable cell specification and chuck stroke provide useful process-configuration flexibility.
Laboratory cell assembly stations	Performing dedicated riveting work in laboratory or small-scale cell assembly environments where operators need a defined machine process.	Manual hydraulic tightening paired with automatic riveting supports controlled operator-led use.
Dedicated capacitor production workstations	Integrating a fixed riveting operation into an organized capacitor manufacturing workstation.	Approximately 10 pieces per minute provides a stated reference for production planning.

Parameter	Specification
Site-Facing Identifier	CX13
Equipment Type	Electric riveting machine
Applicable Products	Supercapacitors and horn-type capacitors
Applicable Riveting Parts	Cell top cover, cell tab, and slip thread
Riveting Drive	Motor-driven riveting
Hydraulic System	Manual tightening hydraulic system
Riveting Mechanism	Automatic riveting mechanism
Riveting Height	Adjustable
Upper Die Stripper Plate	Elastic stripping device
Lower Die Stripper Plate	Elastic stripping device
Power Supply / Power	AC220V 50Hz 500W

Parameter	Specification
Cell Specification	φ20-□ 35mm (customizable)
Chuck Stroke	20-40mm (customizable)
Working Efficiency	Approximately 10pcs/min
Overall Dimensions	610(L)x440(W)x1060(H)mm
Weight	139KG