

TECHNICAL DATA SHEET

PressPro™ Button Cell Battery Disassembling/Sealing Machine

Manual hydraulic • 0-2T pressure • sealing & disassembling molds • CR16-CR30 • glove-box ready



PressPro™ EPBM Series — Representative Configuration

The PressPro™ Button Cell Battery Disassembling/Sealing Machine (EPBM series) is a lightweight hydraulic manual machine for crimp-sealing and disassembling button cells. Image shown for reference; gauge type and mold vary by model.

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SECTION I

Product Overview

The PressPro™ Button Cell Battery Disassembling/Sealing Machine (EPBM series) is a lightweight hydraulic manual crimping machine for battery packaging and dismantling, designed primarily for early-stage research and development of battery materials and the extraction of samples from internal battery components. The machine offers a compact size, light weight, ease of operation, precise dismantling, and excellent sample preparation. It is also convenient for use inside a glove box.

The EPBM series covers four models: EPBMFO2N and EPBMC02N with a pointer pressure gauge, and EPBMF2NS and EPBMC2NS with a digital pressure gauge. Sealing models (EPBMFO2N / EPBMF2NS) crimp-seal button cells; disassembling models (EPBMC02N / EPBMC2NS) open cells for sample extraction. All models share a 0-2T / 25MPa pressure range, a $\Phi 32$ mm chrome-plated cylinder, and CR20 series standard molds (CR16/CR20/CR24/CR30 optional).

SECTION II

Core Advantages

— Sealing and disassembling in one series —

interchangeable molds switch between crimp-sealing and disassembling button cells – sealing models (EPBMFO2N / EPBMF2NS) and disassembling models (EPBMC02N / EPBMC2NS)

— **Pointer or digital gauge** — pointer gauge with dual scales in t and MPa (2N models), or digital gauge (2NS models; manufacturer-stated display accuracy: 0.01 MPa)

— **Precise, compact, glove-box ready** — integrated structure (210×160×290 mm, approximately 12 kg) with reduced oil-leakage points; suitable for use inside a glove box

— **Manual hydraulic drive** — manual hydraulic pressurization and pressure release

— **CR16-CR30 mold coverage** — CR20 series molds included as standard; CR16, CR20, CR24, and CR30 series sealing/disassembling molds optional

— **For battery R&D sample prep** — designed for early-stage battery material research, sample preparation, and extraction of samples from internal battery components

SECTION III

Specifications

Technical data — all models

Specifications	
Brand	PressPro™ by ACS Material
Product Name	PressPro™ Button Cell Battery Disassembling/Sealing Machine
Series (Parent SKU)	EPBM
Models (SKU)	EPBMFO2N · EPBMC02N · EPBMF2NS · EPBMC2NS
Pressure Range	0-2T / 25MPa
Pressure Conversion	1MPa = 0.08t; 1t = 12.5MPa
Piston Diameter	$\Phi 32$ mm chrome-plated cylinder
Pressurization Method	Manual pressurization / gradual pressurization, with manual pressure release
Sealing Pressure Range	Generally 0.7-1.2t
Disassembling Pressure Range	Generally within 0.4t
Standard Mold	CR20 series
Optional Molds	CR16, CR20, CR24, CR30 series sealing/disassembling molds
Structure	Integrated structure; no sealed connections; reduced oil-leakage points
Overall Dimensions	210×160×290mm
Approx. Weight	12 kg
Configuration	Manual disassembly or sealing of button cells by changing the mold type

EPBM series

Specifications				
Parameter	EPBMFO2N	EPBMC02N	EPBMF2NS	EPBMC2NS
Mold Type	Sealing mold	Disassembling mold	Sealing mold	Disassembling mold
Pressure Gauge Type	Pointer gauge, dual scales in t and MPa		Digital gauge; mfr.-stated display accuracy: 0.01MPa	
Pressure Range	0-2T / 25MPa	0-2T / 25MPa	0-2T / 25MPa	0-2T / 25MPa
Piston Diameter	Φ32mm	Φ32mm	Φ32mm	Φ32mm
Standard Mold	CR20 series	CR20 series	CR20 series	CR20 series
Overall Dimensions	210×160×290mm	210×160×290mm	210×160×290mm	210×160×290mm
Approx. Weight	12 kg	12 kg	12 kg	12 kg

Scope of delivery

— **Standard configuration** — one main machine with a CR20-series sealing or disassembling die, according to the selected configuration; pointer or digital pressure gauge, depending on the model

— **Optional, not included** — additional sealing or disassembling dies for CR16, CR20, CR24 and CR30 series

Final accessories and scope of supply are confirmed in the quotation.

SECTION IV

Applications

For early-stage battery material R&D: crimp-sealing button cells and disassembling cells for sample extraction from internal components. Select the sealing (EPBMFO2N / EPBMF2NS) or disassembling (EPBMC02N / EPBMC2NS) model, the gauge type, and the CR-series mold to match the cell size. The machine uses manual hydraulic pressurization and pressure release and is suitable for use inside a glove box.

Product value: manual hydraulic sealing and disassembling with 0-2T pressure, CR16-CR30 mold coverage, and an integrated glove-box-ready structure. Confirm the selected model, mold type, and button cell size against your application requirements before ordering.

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