

## Battery extrusion and acupuncture AIO machine



### Description:

The battery extrusion and needling machine is suitable to simulate the situation of battery extrusion during the use, transportation, storage or disposal of household waste. The battery is qualified without explosion and fire

### Parameter of extrusion:

Drive	Hydraulic drive
Battery extrusion head (plate)	tandard round extruded plate, easy to unload and replace (diameter 150mm)
Extrusion degree	Extrusion continues until the actual pressure reaches 13kN±0.2kN, and the pressure is maintained for 1min. Once the pressure is reached, the equipment will automatically release the pressure and complete the extrusion;
Pressure range	1 kN ~20kN (commonly used 13 kN)
Pressure display accuracy	0.1N, sensor resolution: 1/10,000
Unit conversion	kg, N, lb
Data sampling frequency	80/ second



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Compression space	200*200*200mm(W*H*D)
Extrusion stroke of machine	100mm

**Parameters of acupuncture:**

High temperature resistant steel needle	φ2mm—φ8mm, Length 100mm
Tip distance from bottom the battery plane	200mm
Clip distance	200mm
Speed	10—40mm/s,from the direction perpendicular to the battery plate (the pin stays in the battery)
penetrating power	150~200kg
Display	Pressure sensing LCD display
Effective cylinder stroke	320mm
Drive	Hydraulic drive
Safe	Made into box-type equipment device explosion-proof, fire prevention, corrosion resistance, easy to clean
Inner box material	Stainless steel and in the box 1/3 place with teflon sol cloth, high temperature resistance, corrosion resistance, insulation and easy to clean
Delay function	0-99(H/M/S can be arbitrarily set and adjust the test time)
Power supply	AC220V, 50HZ, 13A
Power	2.2KW

**Standard:**

IS 16805: 2018, GB31241-2014MT/T 1051 SAE, QC/T473/744