

Foil/Separator Punch Unit

極片/隔離膜沖剪機

PU-01 can punch the copper, aluminum or separator foil to round flakes which are used as anode pallet, cathode pallet or separator in coin cells.

(PU-01 可以在銅箔或鋁箔上沖壓出鈹式電池用的正負極的小圓薄片，或是沖壓出鈹式電池用隔離膜薄膜)

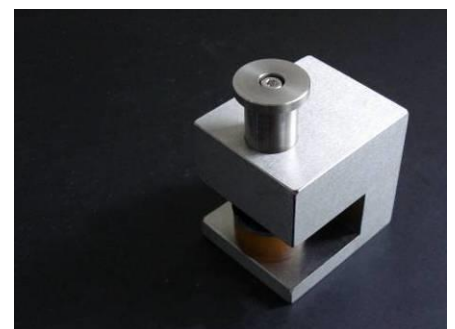
This device includes a punch mold set and a ready-made handy press. Mold is separate with handy press so it is easy to change different punch mold for anode, cathode or separator

(這個裝置標準配置包含 1 組沖壓模具及 1 台手動沖壓機，沖壓模具與手動沖壓機為分離式設計，因此可以容易的更換不同模具，以便製備正極、負極極片，或是隔離膜圓片)



Standard punch diameter is 5-30mm with 0.07-0.18 mm thickness, this diameter should be specified before order. Very thin or very thick foil can be evaluated, please just feel free to contact us.

(標準的沖壓直徑是5-30mm，厚度0.07-0.18mm，在訂購前需指定直徑，可評估是否能使用在非常薄或非常厚的箔，歡迎隨時聯繫)



Model PU-01

SPECIFICATION

- **Dimensions (尺寸)**

Press: 100W x 150D x 255H mm (w/o handle);
(不包含把手)

100W x 255D x 380H mm (for handle motion)
(包含操作裝置)

Mold(模具): 40W x 49D x 70H mm

- **Weight (重量)**

Press(沖壓機): 3.6 Kg

Mold(模具): 0.56 Kg

- **Material (材質):**

Press: Cast Iron(鑄鐵)

Mold: Tool Steel(工具鋼)

- **Function (功能特點)**

手動沖壓機與沖壓模具採用分離式設計，可隨意的更換不同沖壓直徑的模具
沖壓後正負極圓片或是隔離膜，會掉入模具下方小收集盒，避免極片污染
沖壓模具下壓時，先以優力膠壓制住極片或隔膜，再進行切斷，以避免極片、隔膜綳折
若模具沖壓面因多次沖壓後磨耗，導致不易沖斷或極板有毛刺時，模具可進行維修
模具下壓高度可調整，下壓後沖膜因彈簧而回覆至原有位置

Press and mold can be separate easily which means mold can be change easily.

There is a drawer which can collect the pressed materials

Polyurethane(PU) fix electrode or separator first and then cut it to prevent wrinkle

Mold can be re-sharp to prevent buy a new one

The press mold can back to original position because of spring force

