

DIGATRON SSU

SHEET STACKING UNIT

Digatron Systems SSU, Sheet Stacking Unit, is an automatic cell stacking machine, designed for the production of lithium cells.

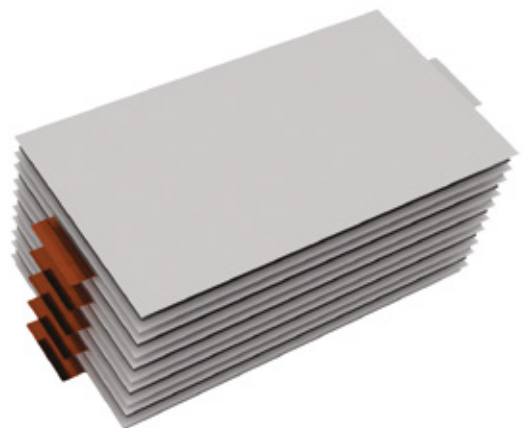
The operator manually loads the machine with one anode tray and one cathode tray and starts the automatic cycle.

The electrodes are stored in specifically designed trays that bring them to the exact pick up level. Anode and cathode are automatically placed on an alignment system to ensure the correct position.

A second pick and place unit then takes the electrodes and places them on the stacking head. The electrodes are held at a precise position while the stacking operation is performed.

The separator is automatically unwound, kept at the correct tension and alignment by a dedicated system and then cut at the desired length.

Separator sheet dimension can be adjusted by the operator on the machine HMI. Once stacking is completed the operator applies the sealing tape, removes the cell and starts a new stacking cycle.



QUESTIONS?

+39 02 565 69 844

info@digatronsistemas.com

TECHNICAL DATA



QUESTIONS?

+39 02 565 69 844

info@digatronsistemas.com

GENERAL DATA

Power supply AC input	400V 3ph+N 50Hz (others on request)
Power supply	10 A max
Compressed air	12 NI/m at 0,6 MPa – 12"
Weight	875 Kg
Dimensions (WxDxH)	1770 x 1550 x 2100 mm

ELECTRODE DIMENSIONS (mm)

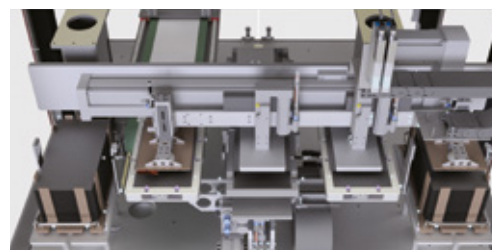
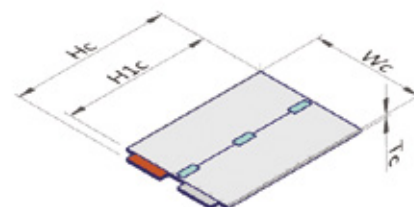
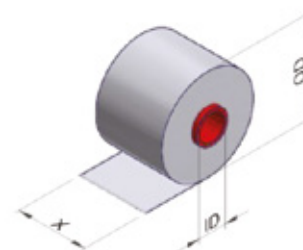
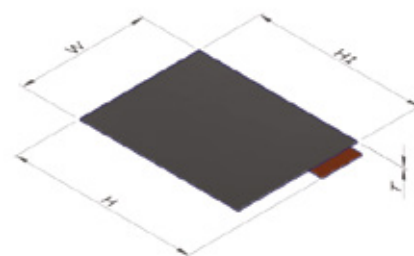
Width	from 50 - 175
Height	from 60 to 245 (height of coated area)
Thickness	from 0.10 to 0.20 mm

CELL DIMENSIONS (mm)

Width	from 50 to 180
Height	from 65 to 250
Thickness	from 3.0 to 15.0
Anode/Cathode positioning tolerance	±0,6 mm (ref. single sheet stacking)
Anode/Separator positioning tolerance	±0,25 mm (ref. single sheet stacking)

SEPARATOR ROLL DIMENSIONS (mm)

External diameter	280 Max
Separator width	from 50 to 250
Core internal diameter	76.2 (3")
Core width	Max 270



**Digatron
Systems**

WWW.DIGATRONSYSTEMS.COM