

DIGATRON CFU-EX

CELL FILLING UNIT EX

Digatron Systems CFU-EX, Cell Filling Unit, is an automatic pouch cell filling machine, designed to work externally from a dry room.

The machine is designed to perform electrolyte dispensing and sealing of pouch cells under vacuum, in an oxygen free controlled environment.

The operator loads a tray containing up to 12 cells in the machine inlet. The filling cycle is automatic. A pick and place system takes one cell at a time, places it in a cell holder that slides under the vacuum chamber head.

Electrolyte dispensing is performed at pre-set vacuum level and liquid volume. Multiple vacuum and filling steps can be performed to enhance electrolyte soaking.

Once the filling cycle is completed, the cell is automatically heat-sealed under vacuum and placed back into the tray.



QUESTIONS?

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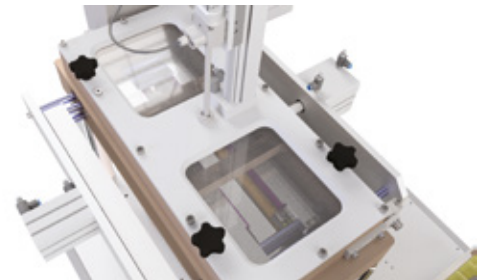
TECHNICAL DATA



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GENERAL DATA

Power supply AC input	400V 3ph+N 50Hz (others on request)
Power supply	32 A max
Compressed air	20 Nl/m at 0,6 MPa – 12”
Weight	1900 Kg
Dimensions (WxDxH)	2700 x 1600 x 2100 mm

CELL DIMENSIONS (mm)

Length	320 Max
Width	320 Max
Thickness	3.0 - 15.0

ELECTROLYTE DISPENSING PUMP

Volumetric type	up to 250 ml
Actuator	Servomotor