

DIGATRON LFU

LAB FORMATION UNIT

Digatron Systems LFU, Lab Formation Unit, is an automatic pouch cell formation equipment, designed for the production of lithium cells.

Powered by our latest design of regenerative power electronics formation hardware, the machine is designed to form cells at controlled current, voltage and temperature.

The formation cycle is completely automatic. The operator manually loads and unloads the trays containing the cells.

This unit can be equipped with different types of cartridges, suitable to process different types of cells, such as pouch, cylindrical and prismatic.

Special pneumatically operated cartridges are available for compressing the cells during formation. LFU can be equipped with optional components such as smoke detectors and CO2 extinguishing system.



QUESTIONS?

+39 02 565 69 844

info@digatronsistemas.com



TECHNICAL DATA



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GENERAL DATA

Power supply AC input	400V 3ph+N 50Hz (others on request)
Compressed air	10 NI/m at 0,6 MPa – 12”
Number of cells per unit	up to 24
Working temperature	+20°C + 50°C (+/-2°C)
Formation charger channels	up to 96 channels
Formation channel current	0 - 2 A / 0 - 5 A / 0 - 10A
Formation channel voltage	0 – 6V
Dimensions (WxDxH)	2120 x 1320 x 2100 mm
Weight	1680 Kg

