CWM 150 - Cell Winding Machine

APPLICATION
CWM 150 is a flexible Winding Machine designed for laboratory production of 18650, 26650 and 21700 cylindrical cells, prismatic Li ion and EDLC cells.

FUNCTION
The machine winds precut tabbed anode and cathode electrodes and interposes separator layers unwound from rolls.
CWM 150 can be equipped to produce cylindrical or prismatic cells with a limited tooling changeover time, allowing to switch rapidly between different product configuration.

Electrode placement is precise thanks to a tensioning system and positioning sensors for the pre-cut electrode.
Large graphic HMI provides all information and setting adjustments.

PRODUCT CONFIGURATION
Cylindrical Cell (mm)
Height : 50 to 100
Diam.: up to 30

Prismatic Cell (mm)
(L): 45 to 100
(W): 29 to 65

Max tab protrusion: 20 mm
TECHNICAL DATA
Dimension (indicative dim. of basic version)
Length (L): 3000 mm
Width (W): 890 mm
Height (H): 1750 mm

Power Supply: 220V/1ph or 400V/3ph/50Hz (others upon request)
Compressed Air: 6 bar

Productivity: Depending on cell configuration
Max Electrode length: up to 2000 mm
Separator and Electrode tensioning system