PILOT ASSEMBLY LINE FOR LITHIUM ION CELLS

Designed for start-up and pilot production of pouch cells, with dimensions suitable for EV and Energy Storage applications.

Efficient and user-friendly tool for developing new cell sizes and for testing different chemistries, with high quality standards.

Production capability up to 5 MWh per year.
PILOT ASSEMBLY LINE FOR LITHIUM ION CELLS

**EPM 250 ELECTRODE PUNCHER**
- High precision punching die
- Clean cut of Al and Cu layers

**SFE II STACKING Z FOLDING**
- Automatic electrode stacking
- Use standard Li ion separator
- Up to over 50 Ah cell dimension

**UWT 250 TAB CUT AND WELD**
- Ultrasonic high power welder
- Electrode foils press & trim

**BFM 250 BLISTER FORMING PRESS**
- Deep drawing process of pouch
- Large size pouches for EV and ESS applications

**PCS 250 POUCH CASE SEALING**
- High precision heat sealer
- Special heated bars for tab sealing

**MFC 96 MODULAR FORMATION AND GRADING UNIT**
- Regenerative formation
- 96 circuits tower module

**MFC2 POUCH ELECTROLYTE FILLING UNIT**
- Volumetric high precision pump
- Complete process under vacuum
- Glove box or dry room versions available
- Integrated Degassing (OPTION)

**DSU 260 DEGAS AND SEAL UNIT**
- Pouch degas after formation
- Final seal
- Gas pouch removal and final trim
SoLith is the newest division of Sovema Group that comprises SOVEMA, worldwide supplier of machinery for lead-acid battery production and BITRODE, one of the leading companies in battery testing and formation.

SOVEMA

Sovema is a leading manufacturer of lead-acid battery equipment and is able to supply a complete range of automated systems for the entire production cycle, from the lead ingot to the final product.

Sovema is the only equipment maker capable of designing and producing turn-key battery plants. An increasing number of these battery manufacturing facilities worldwide attests to Sovema's ability.

Recognizing years ago that automation, lead saving and environmental control are critical to plant efficiency, Sovema put together a group of specialists and developed the state-of-the-art manufacturing solutions for lead-acid battery production.

BITRODE

Since its foundation in 1957, Bitrode has always met the changing needs of a sophisticated market by supplying reliable high performance battery testing and formation equipment.

At the same time it was able to provide technical support to a wide range of companies working across the energy storage spectrum.

Whether you are a battery manufacturer or supplier, ICE or electric/hybrid automotive maker, defense or telecommunication vendor, or an utility or research lab, Bitrode’s products and services can put innovation in charge for you.

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