Battery Separator Film processing

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Downstream retraction and roll handling
- Easy and soft and positioning roll systems for time saving changerower procedures.
- Integrated finished roll handling available for safe “no touch” unloading.

A step ahead for Lithium Ion Batteries
New generation for Battery Separator Film processing

KAMPP offers a selected range of Battery Separator Film production equipment to satisfy the increasing demands of the highly innovative Lithium-ion Battery manufacturing industries. Our highly reliable roll-to-roll machines, efficient primary and secondary fibrillation processes to high quality standards all around the world and are the beneficiaries for success.

Together with our strong network of industry partners, research facilities and process engineering competence we support the fast development of this demanding business.

The KAMPP know-how technologies center with individual machine arrangements offers professional solutions and services.

Your requirement
You are producing high quality Battery Separator Films for the LIB production for a highly promising emerging and competitive market. You need to increase your production throughput, roll quality as well as your production yield.

The solution
BSF Slitter

KAMPP’s new generation of BSF Slitters are especially designed to significantly improve the cost-intensive processing aspects of these complex key components and safety LIB.

Your benefit
KAMPP offers more than 30 years of experience in slitting and winding all types of batteries.

- Battery Separator Film to develop world’s most efficient, productive and compact BSF slitter.
- Reliable compactness and ultra-short overall web path
- Optimum web handling and tension digital control
- Latest slitting technologies considering highest quality outputs
- Advanced web control for every individual slitter roll  (Position/Velocity/Torque/Length) Control
- Smart design details for cleaned and most logistic production conditions

Appropriate equipment for individual requirements

Production flexibility
- The undersizer offers many opportunities for individual parent roll handling
- Open for the integration of various web inspection units
- Fully-driven threeさいset option
- Brake set option
- Edge trim unit or suction possibilities
- Multiple electrostatic discharge possibilities

Machine comprehensiveness
- Optimizes the production safety and operator assistance
- Improves operator access and cleaning opportunities
- Integrated control cabinets
- Enhanced material flexibility for reduced setup times and less film waste

Downtime reduction and roll handling
- Easy and efficient positioning and alignment for free running changeover operations of slitting and winding equipment.
- Integrated finished roll handling available for wide "no-touch" unloading

Optimum web control
- Power edge guiding and roll oscillation
- Uncompromising classificatory tension compensation order
- Advanced digital 4-axis tension set point control and consequently individually driven inlays
- Wide range adaptable web spreading technologies
- Specialized revocable section for ultra-precise and ultra-sensitive web control

Communication and operator convenience
- Inclusive 400x400 touch-screen navigation for easy process control
- Velocity (Set) option with embedded integration platform by KAMPP for smart production integration, machine-to-machine communication, big data mining
- KAMPP Service Portal for remote real-time trouble-shooting and availability increase