

BATTERY



EXPERTS FOR
COATING
AND DRYING



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BATTERY CELL ELECTRODE PRODUCTION

Hot air convection drying
– with LamiFlow® nozzle
– with CombiFlow nozzle

- One sided or double sided drying
- Floatation or roll supported dryer
- Impingement or impingement-free nozzles



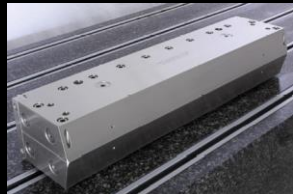
INDUSTRY PARTNERSHIPS

FMP CONSULTING

FMP DRYER



Overall PRODUCT
FMP COATING & DRYING LINE
Pilot scale for pre-series



FMP SLOT DIE

- Full surface coating
- Intermittent coating
- Stripe coating
- Single-sided coating
- Double-sided coating

FMP CONSULTING

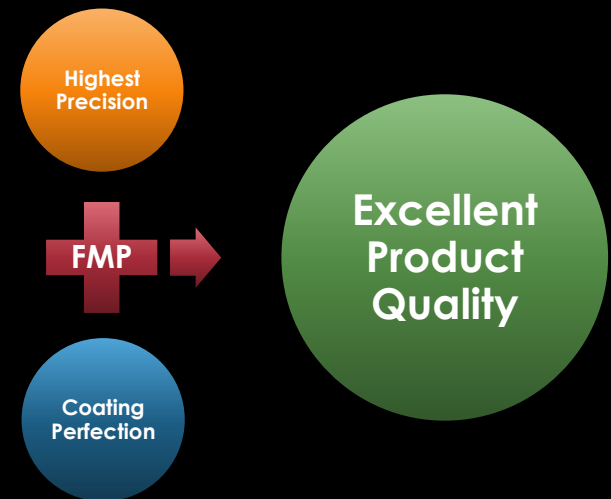
INDUSTRY PARTNERSHIPS

FMP Core Supplier & Consulting
Complete battery electrode production facility through partnerships with experts in their field

ADVANTAGES **FMP** SLOT DIE COATING

Our **FMP** INFINITY SLOT DIE

- Pre-metered, Contactless process
- Excellent cross-web distribution
- Wide range in process flexibility
- High process scalability and reproducibility
- No air entrainment, No fluid recirculation
- Closed system, Constant fluid properties
- No waste of fluid

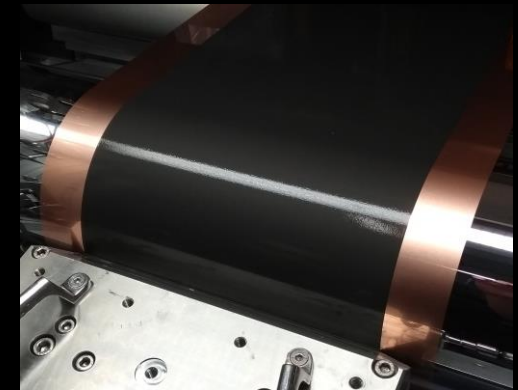


Your Expectation

- Perfect uniform coating thickness
- No edge elevations
- High speed intermittent coating
- Accurate stripe coating
- High viscous fluid operation
- High solid content operation
- Single-sided coating
- Double-sided coating
- Perfect adaptation to your coating line and process

Our Solution

- High precision manufacturing with surface inspection and finish lapping
- Process optimized distribution chamber, lip geometry & specific shim layout
- Analytical and numerical optimization of the fluid flow, coating window & mechanical structure
- Perfectly matched components and customized solutions, we deliver also Feeding system, Positioning system or complete Coating stations



Battery Slurry Coating with **FMP** Slot Die

“Analytical calculation methodes completed with profound process knowledge and a passion for coating technology. The FMP Slot die enables you to achieve maximum coating quality”

ADVANTAGES **FMP** LAMIFLOW® DRYING

Our **FMP** LamiFlow® drying nozzle

- Gentle impingement-free drying with low air velocity
- Homogenous heat distribution in cross and web direction
- High drying performance with high heat transfer
- High process scalability and reproducibility
- Short dryer length and compact design
- For retrofitting, expansion or new installation



Your Expectation

- No defects (cracks, waves)
- Homogenous temperature profile in cross and web direction
- High adhesion
- High production speed
- High drying performance
- Top and bottom coating drying
- flexible, adjustable and optimal drying technology
- Perfect adaptation to your process, dryer or lab- and production line

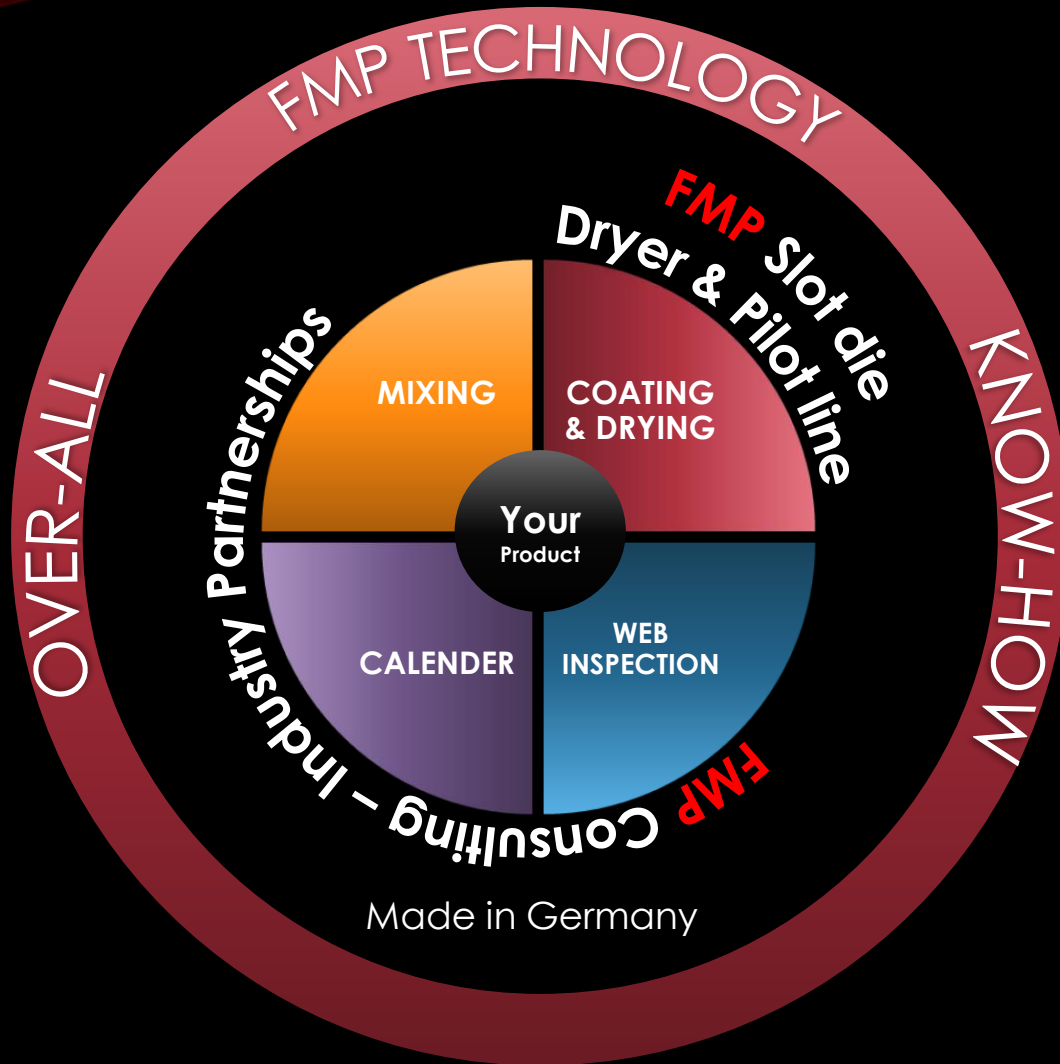
Our Solution

- Gentle impingement-free drying with low air velocity
- Uniform air flow due to patented homogenous distribution system
- Reduced binder migration
- High heat transfer with perfect airflow and air extraction
- Analytical and numerical optimization of the drying process and the air flow
- Flotation or Roll support dryer design
- Patented CombiFlow nozzle with flexible impingement-free and impingement drying in one nozzle
- Customized design solutions, we deliver dryer nozzles or complete dryer



"The patented FMP impingement-free LamiFlow® dryer nozzle. Use the best performance for your Battery drying."

"FMP Flotation dryer with LamiFlow® dryer nozzles."



YOUR EXPERTS FOR EVERY STEP

FMP TECHNOLOGY – TOGETHER WE ACHIEVE YOUR GOALS

Our added value for you - a promise we keep

- High-qualified company with great engineering know-how and lots of practical experience in coating and drying.
- We are backing you up everywhere and anytime. Our goal is to create with you a long-term partnership-based relationship.
- We are pleased to support you from the very first idea to the final product. In the laboratory or in production, you can count on us.
- We supply you with single components, stand-alone modules or complete pilot scale lines. We are open minded for the best solution.
- Every customer counts - Your new ideas are taken seriously by us. With individual solutions and special designs you are right with us.
- We supply solid machines with excellent components. Our solutions in coating and drying are perfectly designed and have premium quality. Your product is worth it to us.

JUST CONTACT US



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