

ENGINEERING SUSTAINABILITY

MAXIMUM EFFICIENCY: FLEXIBLY SCALABLE SOLUTIONS FOR MODERN BATTERY PRODUCTION

**Customized plant engineering and mixing solutions
for innovative battery mass production**

zeppelin-systems.com

 **ZEPPELIN**[®]
WE CREATE SOLUTIONS

MODERN RAW MATERIALS PROCESSING FOR THE PRODUCTION OF BATTERY MASSES? ZEPPELIN SYSTEMS CREATES SOLUTIONS!

We are your partner for the safe, efficient, and resource-saving production of battery masses

Zeppelin Systems is a leading system provider in the field of industrial plant engineering and can look back on a long company history as well as far-reaching experience in the construction of mixing plants. As an integrated, full-service solution provider, the Friedrichshafen-based plant engineering company is constantly developing new technologies for conveying, dosing, mixing, storing and weighing high-quality, sensitive raw, and bulk materials.

Zeppelin Systems provides special mixers and mixing technology combined with customized plant engineering solutions for the efficient, resource-saving, and safe production of battery masses. An additional benefit for customers: Alongside process machines and plant engineering solutions, Zeppelin Systems has the necessary technical testing environment to test and optimize different machine settings, recipes, and parameters together with its customers. Based on our many years of experience with sensitive bulk and raw materials, we know that the production of battery mass is demanding. Tailored to your needs – whether you are working with a wet or dry process – Zeppelin Systems develops the right solutions for developing battery mass for your application. We Create Solutions!

ZEPPELIN SYSTEMS IS AN EXPERIENCED SOLUTION PROVIDER AND SYSTEM INTEGRATOR

Producing battery masses involves handling toxic, abrasive, and poorly flowing raw materials. With solutions from Zeppelin Systems, customized handling and processing of even highly sensitive or critical raw and bulk materials is not a problem. Whether you are looking for an experienced partner with excellent solutions for solid or liquid systems, Zeppelin Systems is your experienced plant engineering and development partner who caters individually to your plans, ideas, and challenges. From storage to weighing, transportation, precise dosing, and mixing of materials, Zeppelin Systems creates custom mixing and plant engineering concepts tailored to your application and advises you on the optimum implementation on an industrial scale. The right plant engineering and mixing solutions from a single-source turnkey provider – this is what Zeppelin Systems stands for!



ZEPPELIN HIGH INTENSITY MIXERS FOR BATTERY MASS PRODUCTION

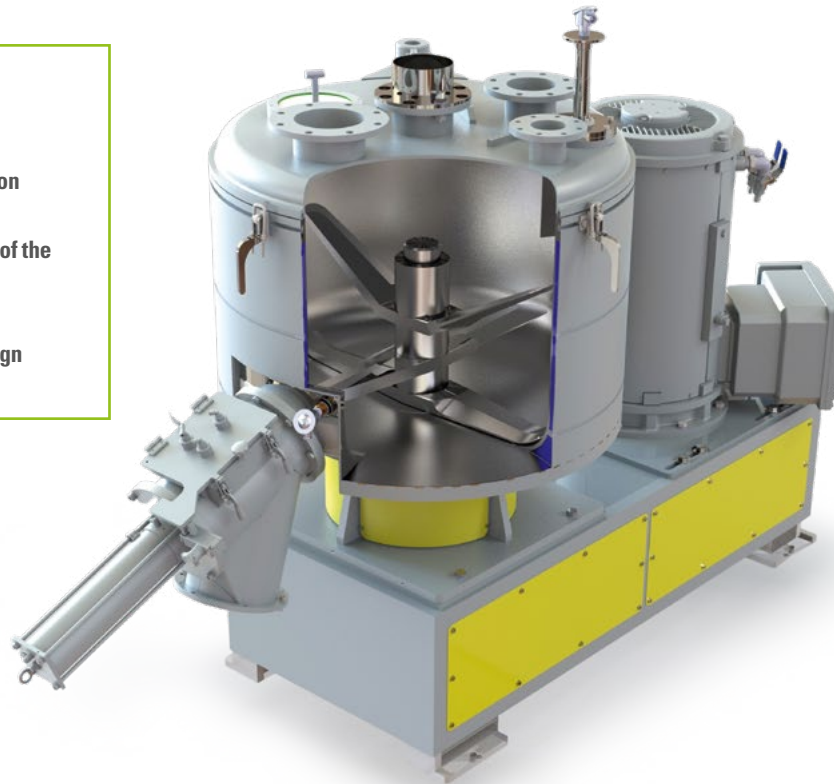
Whether anode or cathode: Material mixing is revisited with Zeppelin Systems!

For decades, we have been setting standards with mixers and mixing technology from Zeppelin Systems. We know what it

takes and master a wide range of mixing tasks such as homogenization, coating, dispersion, heating and cooling.

BENEFITS:

- High speed range enables product-friendly homogenization and the highest shear rates
- Process-controlled tempering of the mixing bowl and mixing tool
- Versatile wear protection
- Robust, low-maintenance design



IT'S ALL IN THE MIX – WITH ZEPPELIN SYSTEMS, IT'S GUARANTEED TO BE RIGHT!

Zeppelin materials handling and dosing systems guarantee safety, efficiency, and sustainability

With solutions from Zeppelin Systems, you can rely on the following process steps on an industrial scale, tailored to your individual requirements:

Precise feeding of materials, optimal storage, gentle conveying, perfect dosing and weighing, recipe-based and temperature-optimized mixing, and safe intermediate storage of mixed battery masses. We are experts in the safe handling of hazardous substances and

adhere rigorously to the applicable protection guidelines (including ATEX, NFPA, and OEB). Zeppelin Systems plants can also be designed for extreme requirements (up to OEB 4).





MADE IN GERMANY: TECHNOLOGY DEVELOPMENT AT ZEPPELIN SYSTEMS

Your production requirements?
We test and optimize in real time!

Zeppelin Systems customers benefit from the unique opportunity to have tests conducted in globally networked technology centers. Upon customer requirements, test systems can be used to perform sample material mixtures to test mixing and system technology until the recipe is optimized. In our in-house laboratories – which include facilities for hazardous substances – the

systems, materials handling, and mixing technology can be scrutinized in detail. Therefore it is possible to set all process steps and components optimally. From storage, to conveying and mixing, to the finished end product – Zeppelin Systems develops your process together with you and supplies all the solutions from a one-stop shop. We Create Solutions!



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