



In the heart of the factory : a Prinz selection

Prinz is very demanding when it comes to the choice of its suppliers and opens the doors of one of the European factories that manufactures the latest generation of batteries for them. Focus.

As you know, Prinz markets a complete range of batteries for the automotive industry, from motorcycle batteries to truck batteries and car batteries. In order to offer a complete range of quality products and to ensure permanent availability, Prinz only selects factories located in Europe, in Germany, Hungary, Spain, etc. All of these factories comply with the international ISO 9001 (Quality Assurance in Production) standards, the environmental standards of the

ISO 14001 activities, and the particular requirements of the Automotive Industry (ISO/TS 16949) Series and Aftermarket. Algérie Recharge unveils one of them, which has just acquired new equipment and a recycling unit. In terms of investments in pure production, the group has expanded with a new production site of 36 000 m² which it has equipped with new equipment, such as ball mills, vacuum mixers, new production lines for starter batteries, not to mention a new technology

for the formation of truck batteries and traction cells, etc.

3 million batteries per year

At this single production site, dedicated to the automotive battery, and created in 2016, no less than 200 people work in production as well as in the research and development laboratories and in quality control. Engineers, technicians and logisticians work together to produce some 3 million batteries per year, while maintaining a permanent stock

of 200,000 batteries.

At the same time, the group has invested in a new recycling unit that recycles some five tons of lead-acid batteries per hour to produce new batteries in a closed circuit. Or how to consider the waste generated as a secondary raw material and turn it into a new product! More than 80 tons of batteries are recycled per day and 45 tons of lead are refined per day. In addition to batteries, the recycling unit cleans and shreds four tons of PET plastic bottles per hour,



and LDPE/HDPE sheets are processed with a capacity of 1.5 tons per hour.

Batteries below to 100 Ah

Batteries under 100 Ah are manufactured with the Ca-Ca technology and do not require any maintenance :

- The use of Pb-Ca alloy guarantees very low levels of water consumption and self-discharge. These types of batteries are maintenance-free (the battery does not need to be refilled with water) compared to traditional models.
- They have a longer life span.
- The position of the center terminal and the reduced internal resistance increase the performance of the starting power.

- They are manufactured with punching grid technology + Ca/ Ca.
- The new premium range offers high power and resistance for modern vehicles. This type of batteries is absolutely maintenance-free thanks to the most modern technologies and has an improved design that provides superior starting power.

Batteries above to 100 Ah

Batteries above 100Ah (manufactured for trucks) are designed for industrial conditions (very robust design), for HEAVY DUTY performance, and with high vibration resistance.

- They are manufactured by pressing on the groups of plates in the battery tray, then they are

fixed using a special additive, and the result is a battery with a high resistance to vibration thanks to this fixing technology.

- A robust design with fixed unions.

• Polyethylene separators, of the envelope type, offer optimum protection against short circuits and more reliable operation. ■■■■

