Case Study

highpreactor **NR-3000 in use at Hensel Recycling GmbH**

User

Hensel Recycling GmbH is already working on future-oriented materials. In recent years, fuel cells have become increasingly important as energy converters in stationary and mobile applications. Other technologies such as electrolysers will also play an important role in the production of hydrogen in the near future.

As part of the EU-funded **BEST**4Hy project (Grant Agreement No. 101007216), a new process has been developed that makes it possible to recycle the catalytic membrane of PEM fuel cells, the so-called CCM (Catalytic Coated Membrane), in an environmentally friendly and acid-free manner.

Product

The Berghof **high**preactor **NR-3000** low-pressure reactor is used.

Application

The Berghof NR-3000 low-pressure reactor is used to recycle fuel cell components. The critical raw materials and the electrolyte membranes are recovered gently and non-destructively at temperatures of 100 to 150°C.

Customer testimonial

“The low-pressure reactor is ideal for recycling fuel cell components, as the simple handling and short reaction time enable efficient recovery of critical raw materials.”

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