



Product News

## **Dinnissen Process Technology introduces new mixing innovation: The Pegasus® R&D Mixer**

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*Sevenum, Netherlands* –

### **What producers can use R&D mixers for:**

- Testing many ways to improve products and processes: quickly, easily, costeffectively, and extremely accurate and reliable.
- Adding different ingredients and mixing small batches within a relatively short time.
- Testing recipes and experimenting to find the best possible product composition.
- Creating new products and innovations in a cost-effective way.

### **How this R&D Mixer for chemical testing is impacting renewable energy production worldwide**

To discover new ways to create renewable energy sources, a company in the chemical sector approached Dinnissen to come up with a solution to test their ideas on renewable energy. Their very specific chemical process requires that a batch is mixed continuously for 24 hours with exactly 1 gram of additives, while

temperature and humidity are controlled.



For this project, Dinnissen's engineers developed a very compact Pegasus® R&D mixer in which all raw materials can be kept in motion for long periods of time

and can be tested in small batches. Using the proven Pegasus® mixing technology as a basis, Dinnissen designed just the right system for this testing procedure. The first results of these tests show enormous potential. This R&D mixing installation has the potential to grow into large-scale chemical processing lines that will have a positive impact on the global production of renewable energy.

**Features of this Pegasus® R&D Mixer for chemical testing:**

- Compact and mobile design
- Precise mixing due to the use of Pegasus® mixing technology
- Perfect temperature control of both mixer and products