

Mixers offer up to 60% energy savings

Guided by customer feedback Dinnissen Process Technology, Sevenum, the Netherlands, has introduced a new line of twin-shaft Sustainable Pegasus® Mixers which offer the possibility for reductions in energy consumption of up to 60%. Compared with traditional ribbon mixers or single-shaft mixers, the new machines are said to reduce mixing times by one third, thereby providing energy savings of 30-40%. Moreover, the faster mixing time makes it possible to increase capacity by 15-20%. The company recommends use of a frequency control unit to allow for stepless control of and input to the mixer, thus providing scope for further energy savings. In addition the company's Energy Control Program optimises the machine's rotation speed, ensuring that the mixing process is carried out as quickly as possible to achieve the desired result. The program also has built-in functionality for obtaining the optimum filling capacity as well as speed at which raw materials can be added.

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Dinnissen's latest energy-efficient Pegasus mixer with emphasis on sustainability