



Biomaterial fans – ebm-papst unveils world première

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ebm-papst, specialist for motors and fans, is for the very first time publicly presenting fans made of biomaterials. The world market leader in energy-efficient fans has thus set another milestone in the field of environmental protection and conservation of resources.

Innovative wood-based composite materials: that is the characteristic feature of the new development. See it live for the first time at the Hannover Messe industrial trade fair from 4 - 8 April 2011 in Hall 15 / Stand F29.

Hans-Jochen Beilke, Chairman of the Board of Managing Directors of ebm-papst: "We are continually working on reducing dependence on raw materials whose reserves are dwindling, such as oil. That is the way to secure our future viability."

The global innovation "biomaterial fan" has been developed in accordance with the toughest of industrial standards, including with respect to service life, durability, stability and thermal fluctuation. The new fans benefit from improved damping characteristics and are resistant to corrosion even without being painted. Features such as antibacterial or easy-to-clean coating are also possible.

Hans-Jochen Beilke: "By working with materials in a way that conserves resources we can achieve substantial energy savings in operation and reduce our dependence on raw materials, plus we avoid considerable CO₂ emissions during production."

For many years, ebm-papst has acted as a pacemaker in the field of energy-saving fans. This started with the market maturity of electronically controlled EC fans, continuing with the use of intelligent material characteristics and aerodynamic improvements in the fan vanes, and has now culminated in the resources-conserving choice of materials. ebm-papst thinks green.

That this strategy pays off for the Southern German company with a workforce of around 11,000 employees, can be seen by the fact that ebm-papst has survived the global economic crisis practically unscathed.

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"Energy-efficient fans have found their market. Demand for energy-efficient products has grown enormously. Our integrated GreenTech strategy has pushed the company's growth in sales revenue back into double-digit figures," explains Hans-Jochen Beilke.

ebm-papst's objective is for 15% of its product portfolio to employ sustainable biomaterials by 2015. The newly developed bio-fan, which has a sales potential of a million units, is the first major step in this direction.

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photo 1: biomaterial fan front side

photo 2: biomaterial fan back side

photo 3: R&D team from left to right Rainer Müller, Gunter Streng and Managing Director Research and Development Dr. Bruno Lindl

About ebm-papst

The ebm-papst Group is the world's leading manufacturer of fans and motors and is a pacesetter for the ultra-efficient EC technology. For the current fiscal year 2010/11, the company expects sales revenue of 1.2 billion euro. ebm-papst employs around 11,000 people at 17 production facilities (including Germany, China, USA) and 57 sales offices worldwide. Products of the global market leader are represented in many industries, including ventilation, air-conditioning and refrigeration technology, household appliances, heating engineering, in IT/telecommunications applications, as well as those in automotive and commercial vehicles engineering.