

**QUANTIMA'S BREAKTHROUGH TECHNOLOGY SCOOPS
TOP INDUSTRY ACCOLADE FOR COMPAIR**

**CompAir's Quantima Compressor Selected as a Winner in the
Plant Engineering Product of the Year Awards**

12th February 2009

Quantima, CompAir's revolutionary, oil-free air compressor has been selected as a winner in Plant Engineering magazine's 2008 Product of the Year Awards, an annual US-industry award that recognises the best in new product achievement.

Among the many design features that made Quantima stand out from the other compressor technologies showcased were the unit's totally oil-free operation and its high energy efficiency. In addition, the judges were impressed with the machine's proven reliability and its low cost of ownership.

These features deliver a compelling range of customer benefits to help drive down production costs, reduce energy consumption and improve environmental performance.

Now in its 21st year, entries are first reviewed by an expert panel of plant engineers and the finalists in each category selected by subscribers to the magazine. As Bob Vavra, Plant Engineering Magazine editor commented, "Our readers are the people who buy, specify and use these products on a daily basis and are the most qualified to understand how new products reduce energy costs, ensure safety and improve productivity on the manufacturing plant floor. That's why the Plant Engineering Product of the Year award is so highly regarded in the industry."

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The Product of the Year awards will be presented at the 2009 Plant Engineering Manufacturing Summit, to be held March 29-31 in Charleston, South Carolina, USA.

About Quantima

CompAir's revolutionary Quantima compressor is fundamentally different to any other oil-free technology on the market. It offers outstanding efficiencies and premium reliability with significantly low environmental impact and cost of ownership.

What makes this difference possible is what makes Quantima a breakthrough in compressor technology - its innovative, Q-drive, centrifugal compression assembly.

This high-speed motor incorporating direct-driven compression impellers operates with the rotor levitated by active electromagnetic bearings and spinning at up to 60,000 revolutions per minute.

Unlike conventional compressors therefore, Quantima's Q-drive assembly has only one moving part, the rotor shaft, which has no contact and no wear. In addition, Quantima's induction motor design and high frequency inverter mean that no gearbox is required and that the compressor can operate without any oil lubrication.

This results in a package that consumes far less power and which is approximately half the weight and physical size of equivalent compressors, meaning that it can be sited easily into existing plant rooms.

Other 300 kW compressors have noise levels typically around 74 dB (A) and above, whereas Quantima is housed in a modular acoustic canopy, resulting in low noise levels at just 69 dB (A). This allows the compressor to be installed at the point of use and not in a separate building and enables operators to work comfortably without any ear protection.

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Quantima was purpose-designed to be easy to operate and simple to install, helping to improve production uptime and efficiencies. The intelligent Q-master controller features a touch screen panel with intuitive navigation and menu structure for the user and also monitors all compressor parameters automatically.

In addition, Quantima incorporates remote monitoring technology as standard. This enables CompAir to offer every customer its Q-life predictive maintenance system, which monitors all operating parameters remotely, ensuring high performance and exceptional reliability, 24 hours a day, every day of the year.

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