

Hearts at ACHEMA

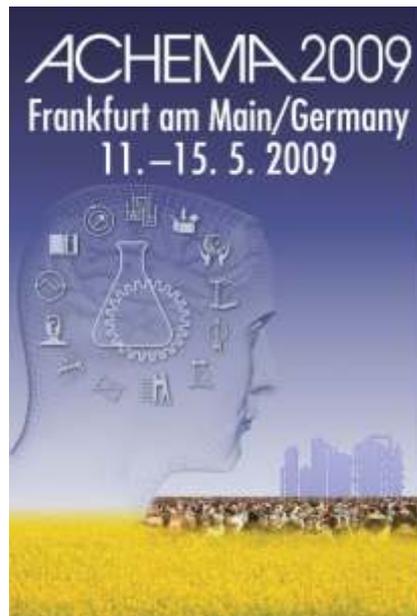


ALLWEILER pumps exhibit new and highly targeted Smart technologies that intelligently solve complex requirements. ALLWEILER has presented installations that virtually eliminate unanticipated leaks, overheated bearings, and defective seals. Automatic safety functions react before disturbances can appear, processes harmed, or the pumps - the heart of the system - incur any damage. Smart technologies include intelligent functions that ensure high stability, longer service lives, and lower Total Cost of Ownership (TCO).

Presentations has been held every hour on an 8 m² video screen. ALLWEILER booth personnel has also shown the presentation on their laptops.

An important example of smart technology is "condition monitoring" of major mechanical components. This is facilitated by the new "ALLREADY Box" feature, which quickly recognizes a leak on the

shaft seal or the first indications of bearing damage. Reactions can range from optical and acoustic signals, forwarding of signals to a monitoring station, shutdown of the pump, or even change-over to a reserve pump. Existing pumps can be easily retrofitted with this technology.



"ALLSEAL" is another innovation that provides an economical way to monitor mechanical seals. In this case, an opto-electronic sensor detects wear early enough to avoid unpleasant surprises like system downtime. Here as well, pump/motor assemblies already in operation can be retrofitted.

"ALLSPEED" is a highly dynamic method of speed control developed for high-pressure pumps that

move cooling lubricants in machine tools. It is capable of achieving speed jumps of 5000 1/min. and pressure differentials of 120 bar within 500 ms. Adaptive capacity and pressure regulation, without the need for valve controls, plus true plug-and-play functionality that does not require programming and parameterization produce a truly novel approach to control. Operational costs can be reduced by 50% or more with only a minimal investment in comparison to conventional methods.

Dr. Michael Matros, Chairman of ALLWEILER AG, explains: "We are now focusing on intelligent solutions that lower overall costs because that is what our customers are demanding. We have every intention of fulfilling their requirements."

With its comprehensive selection of screw, centrifugal, and progressing cavity pumps, ALLWEILER is always able to offer an optimized solution regardless of the customer's liquid or application. ALLWEILER pumps are additionally characterized by outstanding robustness. Magnetically-coupled centrifugal pumps of the ALLMAG CMA series are a good example. Used in the process industry, they exhibit extended service lives and are able to resist dry running, which saves the customer significant amounts of money. ■