

2005 Cost optimisation in fastening technology

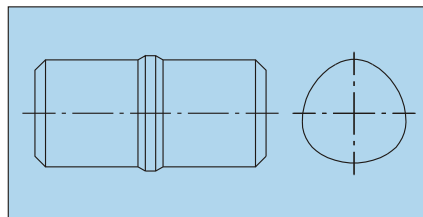
Arnold Umformtechnik develops alternative balancing weights

- *Steel pins replace the now banned lead weights*
- *cost-effective alternative*
- *its trilobular shape simplifies processing.*

(Forchtenberg, Germany). The EU directive on waste electrical and electronic equipment (WEEE) covers the recycling of materials, and consequently, also covers the components and materials that can be used in products. Also on 30th June 2006, the use of certain materials harmful to the environment, such as lead, will be banned. This change affects mainly companies that use lead to balance rotating masses.

Arnold Umformtechnik is now offering a simple, yet cost-effective, solution to the problem. Working with a major manufacturer of motors and fans in Southern Germany, Arnold has developed the concept of the Arnold Balancing Rivet (ABR), which can be easily pressed into the precision balancing holes on the fan. Completely round rivets usually require many adjustments once pressed in, but its trilobular shape means that the balancing rivet is extremely easy to process.

The ABR simply locks itself in three places against its support. An integral central collar guarantees that the rivet is firmly seated, and also ensures positive locking. Long duration tests have proved that the ABR product sustains its close fit. At the same time, depending on the diameter, the cost of the material can be reduced by up to 20 percent compared with lead, tin and brass. The processing technique is the same – so



there is no need to make expensive production conversions to change to the ABR system.

The Arnold Group is a wholly owned subsidiary of the Würth Group, which, with over 50.000 employees and with 314 companies world-wide operates on a global basis with earnings of over 6 billion euros.

Your contact:

Arnold Umformtechnik GmbH & Co. KG
Michael Pult, Dipl. – Betriebswirt (FH)
Marketing and Communications
Manager

Tel.: 0049-(0)7947-821-170

Fax: 0049-(0)7947-821-111

Mail: michael.pult@arnold-
umformtechnik.de

www.arnold-umformtechnik.de