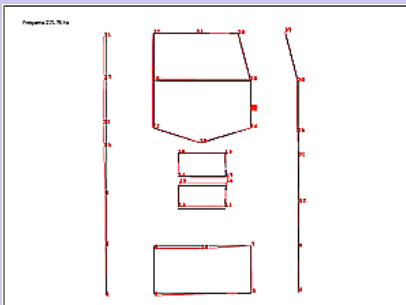


# F'IS Customer Newsletter

May 2006



## F'IS modal analysis in the aluminium industry

In order to reduce considerable financial losses due to chatter marks on rolling stock, the operators of an aluminium rolling mill in Germany decided to find the cause of the frequent occurrence of these unwanted marks. The F'IS team asked to investigate the cause first detected resonances by means of vibration analysis. Then the data was evaluated using modal analysis (3D grid model) shown in the picture. In the process, the F'IS team identified a number of weak spots in the design. In its report, F'IS suggested some design modifications to eliminate the weak spots. They will result in a considerable increase in quality and permanent cost savings.

[More info \(click here\)](#)



## F'IS fitters on an assignment in South Korea

On the latest assignment of the F'IS team in a cement plant in South Korea, big tapered roller bearings were to be mounted into a grinding mill. The mounting work was made harder by the fact that it had to be carried out in the open and under very poor conditions: low temperatures, strong wind, salty air near the coast and huge amounts of dust. No problem for the F'IS team. To mount the cups, the F'IS expert heated the rolling elements and allowed them to cool down again afterwards. Then the bearing package was turned into zero position by constant manual rotation, and a feeler gauge was used to check if all rollers about the guiding lip. That is the precondition for measuring the distance needed to determine the width of the spacer sleeve for adjusting the preload. Mounting by an experienced qualified expert helps to utilize the bearing life optimally.

[More info \(click here\)](#)



## New: F'IS website now also in Spanish

In addition to German and English, the F'IS website is now also available in Spanish. All the usual information about F'IS, its range of products and services, important references, press releases etc. can now be called up either by clicking the Spanish button on [www.fis-services.com](http://www.fis-services.com) in the upper navigation bar or directly via [www.fis-services.es](http://www.fis-services.es). With this internet appearance, F'IS will reach 21 countries where Spanish is the official language significantly better than before. Spanish is the native language of ca. 330 million people worldwide – about the same number of people worldwide speak English as their native language.

[Spanish Website \(click here\)](#)

**Any further questions?  
Get in touch with us...**

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