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Uhing Combines Rolling Ring technology with controller

On the Intec in Leipzig and on the Hannover Fair, Uhing showcases product studies on the innovations for the RG Rolling Ring Drive and the RS Linear Drive Nut.

For more than 60 years, Joachim Uhing KG has been successful with linear drive technology, above all with the RG rolling ring drive invented by the company founder. In 1983, the RS linear drive nut was added to the product range. Both products operate as non-positive linear drives on plain shafts.

The previously mechanical elements were fitted with in-house, intelligent controls so the customers can purchase turnkey systems from Uhing. On the Intec in Leipzig and on the Hannover Fair, Uhing showcases two product studies on this topic.

One of the studies focuses on the Uhing RS Linear Drive Nut whose prominent features are the lack of backlash and the excellent sealability. The linear drive nut is equipped with a position sensor system and shown in an underwater application.

On the controller, the user can set the start position, the travelling distance, and the travelling speed. The position sensor system used in this application has a positioning accuracy of ± 0.1 mm; higher resolutions are possible.

The second study focuses on the RG Rolling Ring Drive whose linear direction of travel can now be changed individually without interfering with the mechanics while the shaft continues rotating in the same direction. In addition, a wide range of stroke speeds can be set almost continuously with the shaft rotating at a constant speed.

The gear pitch can now be set with a stepper motor in dependence of data provided by connected sensors, or by direct user input.

Curious? Then pay us a visit on the Intec in Leipzig from February 26 to March 1, 2013, hall 3, booth E85, or on the Hannover fair from April 8 to 12, 2013, hall 16, booth G15!