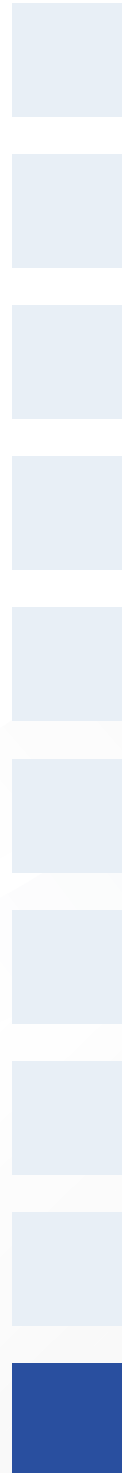
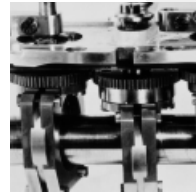


**Joachim Uhing GmbH & Co. KG**



Historie  
**History**

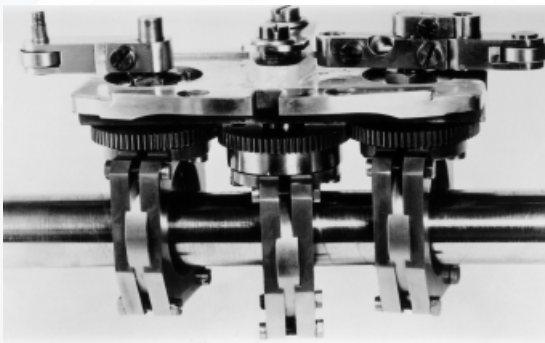


## Developments: Past and Present

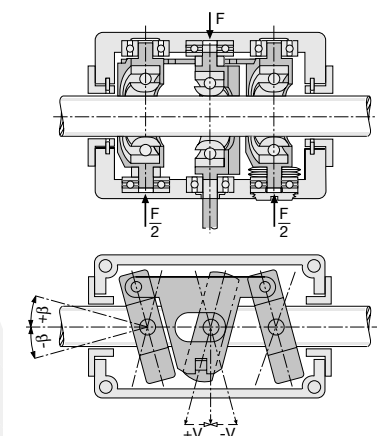
The beginnings of the company date back to 1943 when electrical engineer Joachim Uhing founded an engineering bureau. In this bureau, 35-mm cameras, wall clocks and a forerunner of today's 4 axes for machining clamped items from various sides were developed.

Developing and producing thread guides for industrial knitting machines, the company gained an international reputation already in its early years. Carving out interesting niches by providing ingenious technical solutions is still the motivating force behind the continuing success.

Joachim Uhing had close connections to the knitting machine manufacturers, and in 1952, their enquiries for means to automate the traversing movements of the knitting carriage brought about the most important product developed by the house of Uhing: the rolling ring drive.



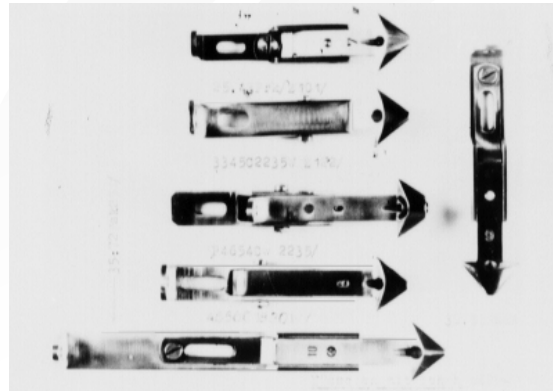
Rolling ring drive from 1953



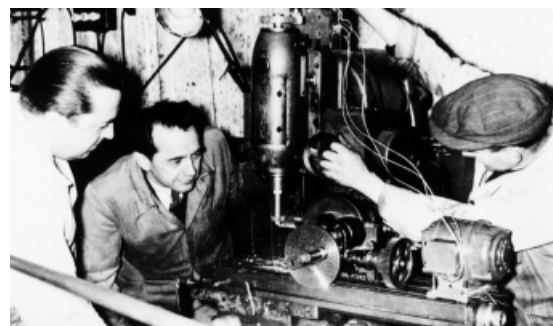
Being able to mechanically convert the constant rotary movement of a smooth shaft into permanent traversing movements, the rolling ring drive has made the name of Uhing a synonym for this type of products all over the world.



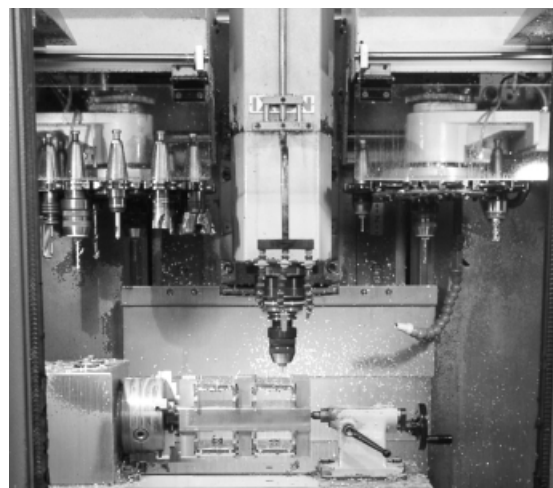
The company founder,  
Joachim Uhing



Thread guide for industrial knitting machines

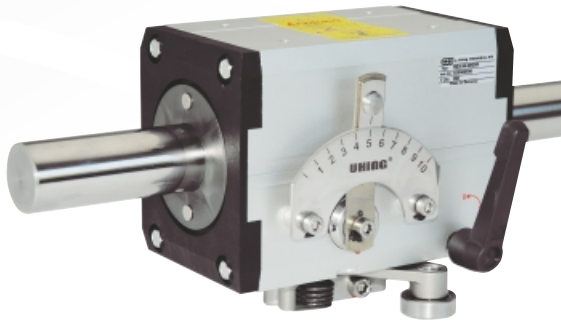


1948, 4th axis predecessor



CNC machine with 4th axis used at Uhing production

## Developments: Past and Present



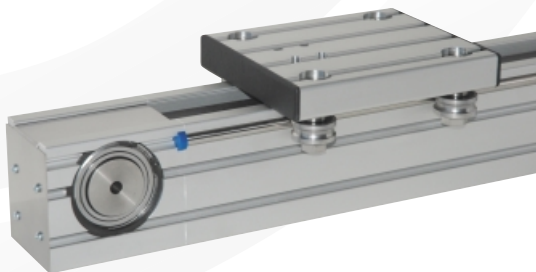
Latest generation of rolling ring drives

Based on the worldwide patented rolling ring drive, the linear drive nut, a non-positive helical gear without internal switch-over mechanism, was developed in 1983. Featuring zero backlash, the linear drive nut soon became a coveted drive element, in particular for measuring machine manufacturers.



Linear drive nut

The Z-Drive timing belt drive, being a positive-locking linear drive, was introduced in 1989.



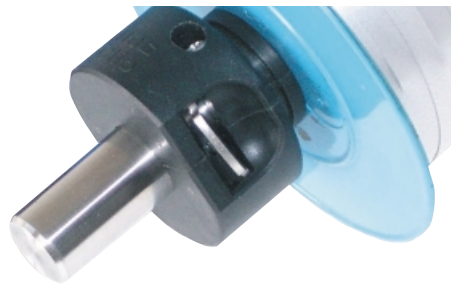
Timing belt drive

The Uhing-easylock® fast-action clamping system, introduced in 1992, is a comprehensive series of non-tool clamping and fastening systems for plain shafts supplemented by the U-Clip clamping element in late 2002.



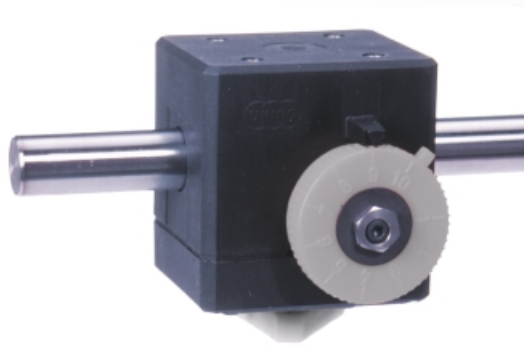
easylock®

U-Clip



During the 1990s, a thorough streamlining of the entire product range took place. With the “-2” generation of rolling ring drives Uhing once again set the quality and design standard.

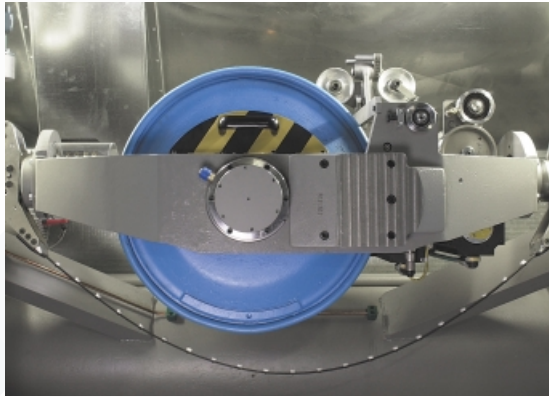
The smallest Uhing rolling ring drive, Kinemax, was the first of its kind worldwide featuring a polyamide housing. Increased use of high-quality plastics reduced the weight of the Easylock fast-action clamping system variant modernised in 2002 by approx. 50% and further facilitated handling.



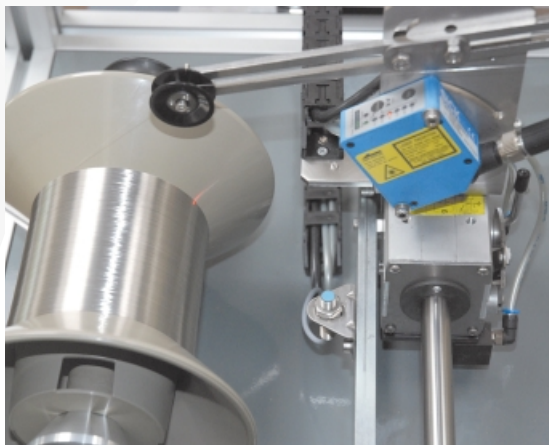
## Developments: Past and Present

Although being a renowned manufacturer of purely mechanical products, Uhing started producing electronic peripherals for its rolling ring drives in 1998.

This led to the development of winding technology components featuring automatic adaptation of the rolling ring drive stroke length to the respective coil width.



Stranding machine

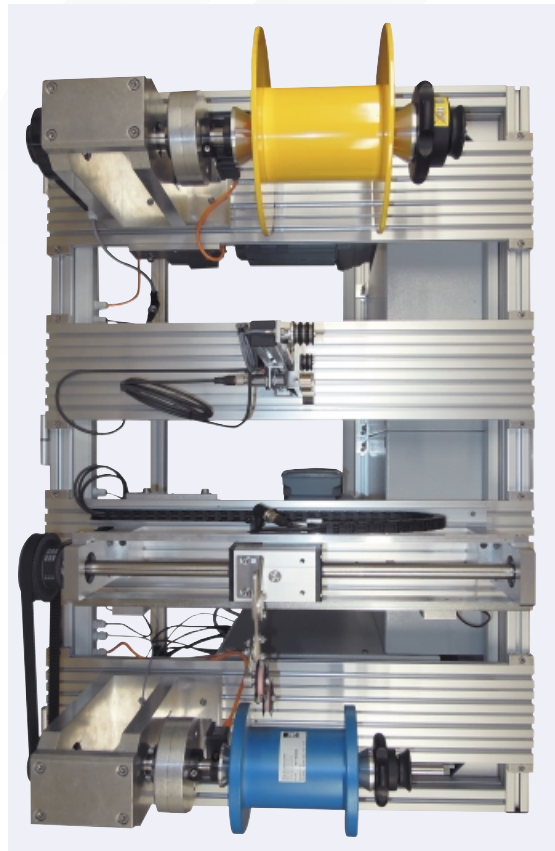


Flange detection FA II



Uhing Motion Drive®

The Uhing Motion Drive® system is based on an Uhing rolling ring drive enhanced by sensors and an electronic control unit. The control unit software engineered by Uhing ensures that both components - control unit and rolling ring drive - perfectly cooperate. The latest Uhing product development is a winder/rewinder completely produced in-house. Control unit and mechanical components are perfectly matched to each other.



Uhing Modular Winder

The Uhing Modular Winder system combines Uhing products with long-term market success, and the control unit turns the modular system into Uhing's first fully-fledged rewinder.

Supplementing, expanding and permanently modernising tried and tested products marks Uhing's step into a safe future.



## Developments: Past and Present

Continuous innovation, cutting-edge production facilities and high-performance CAD and IT equipment ensure Uhing can expand the technological lead while at the same time meeting the customer's desire for economically priced products. A simulation and calculation program exclusively developed for Uhing provides customer support, even in the most complex fields of application.



Simulation/calculation program

As the demands on production and occupational safety continued to rise, the company's premises Mielkendorf used for decades no longer met the demands on space and layout.

In April 2017, we moved to our new Flintbek premises specially designed for Uhing. In our modern production line, we operate multi-axis CNC machining centres. The QA department uses 3D measuring devices and applies approved test methods to monitor the factors that affect the quality of our product lines such as rolling ring drive, drive nuts, or clamping and retaining elements.

The high share of exports (approx. 60% of the turnover) required setting up a worldwide network of agencies. Today, Uhing specialists support customers and prospective customers in more than 45 countries.



Fair booth WIRE 2016



The company's premises in Flintbek



## Worldwide

The addresses of our agencies are available in the internet:  
**[www.uhing.com](http://www.uhing.com)**

**Joachim Uhing GmbH & Co. KG**  
Konrad-Zuse-Ring 20  
24220 Flintbek, Germany  
Telefon +49 (0) 4347 - 906-0  
Telefax +49 (0) 4347 - 906-40  
e-mail: [sales@uhing.com](mailto:sales@uhing.com)  
Internet: [www.uhing.com](http://www.uhing.com)

