

---

## Press Release

Joachim Uhing GmbH & Co. KG  
Konrad-Zuse-Ring 20  
24220 Flintbek, Germany  
Contact person: Wolfgang Weber

RG PI 21-03  
Ph.: +49 (0) 4347 – 906 – 0  
Fax: +49 (0) 4347 – 906 – 40  
Ph. +49 (0) 4347 – 906 – 22  
Email: [weber@uhing.com](mailto:weber@uhing.com)



## **A real alternative: Engineering with the rolling ring drive**

**The low-maintenance, highly efficient and easily controllable rolling ring drive is a serious replacement for drives based on timing belts or threaded spindles. Running on a plain round shaft, it can be used in many applications and is less sensitive to dirt.**

In the international wire and cable industry, the Uhing® rolling ring drive has long been a synonym for laying a wide variety of materials on spools. High reliability and availability, flexibility, ease of operation and long service life make it interesting also for custom designs. The rolling ring drive shows its strengths wherever a permanent and precise reciprocating movement is required. "The non-positive drive translates the movement of a rotating plain shaft with constant speed and direction of rotation into a stroke movement of the rolling ring drive", explains Wolfgang Weber, Uhing's Managing Director. Without positive-locking threads, users can freely select the pitch values and pitch direction and thus flexibly set the desired speed up to 4.2 m/s as well as the stroke length. An integrated reversing mechanism ensures automatic and highly dynamic stroke reversal when a pre-set fixed stop has been reached.

### **Flexible, automatable, retrofittable**

The possible applications of the rolling ring drive with shaft diameters between 15 and 80 mm are extremely diverse: coating, inserting or handling in the automotive industry, cleaning, separating, spraying and distributing in the food industry, or opening and closing, positioning, indexing, chaining or winding in the packaging industry. Existing systems can be retrofitted with both analogue and automated rolling ring drives. The Schöpstal company uses Uhing® rolling ring drives in its equipment for retrieving drip irrigation hoses, as the system is easy to couple, flexible to use and insensitive to soil and dust. "Due to its shape, the plain shaft picks up much less dirt, is easier to seal, and can be cleaned with a simple scraper," Weber points out a key advantage. This predestines the rolling ring drive for use in damp environments or where there is a high load of particles. To meet the increasing requirements in production and

---

## Press Release

**Joachim Uhing GmbH & Co. KG**

Konrad-Zuse-Ring 20

24220 Flintbek, Germany

Contact person: Wolfgang Weber

**RG** PI 21-03

Ph.: +49 (0) 4347 – 906 – 0

Fax: +49 (0) 4347 – 906 – 40

Ph. +49 (0) 4347 – 906 – 22

Email: [weber@uhing.com](mailto:weber@uhing.com)

---



installation, Uhing offers its customers customised automation solutions for rolling ring drives. These range from automatic spool flange detection to the generation of specific winding patterns and continuous adjustment of the motion sequence during operation.