

Schaeffler brings you the production of the future



"We want to occupy a key position in the rapidly growing markets of condition monitoring and robotics. Through strategic initiatives and close collaboration, we offer our customers innovations for the production of the future" says Dr. Stefan Spindler, CEO Industrial of Schaeffler AG.

As Schaeffler, we have set ourselves the objective of becoming a major partner for lightweight robotics. Today, smaller robots and cobots are increasingly being used for the automation of handling and assembly tasks and we are part of these developments.

For several decades Schaeffler has been offering a portfolio of products for industrial robotics. These have been based on our conventional bearing range. Expertise from a wide range of business divisions have enabled us to make significant leaps forward into the development of robotics. We combine this with being cost-effective and an with an outstanding level of quality. An ideal combination.

Over the years Schaeffler has developed a completely new bearing type. This has been specifically developed for articulated arms of lightweight robots and cobots. Major leaps forward in products such as Durawave also show the innovations that are coming out of Schaeffler. Now there are new potential areas of application for these lightweight robots and cobots. With a modular portfolio of innovative bearing supports, robot gearboxes and drive motors, Schaeffler is positioned as a partner for lightweight robotics.

These system components play a crucial part in the performance of compact robots. They hold the potential for great advances in development. With the increasing power density and precision of these components, lightweight robots and cobots can be used in areas of application that require higher speeds, precision and cleanliness levels, as well as increased load-bearing capacity.

It's not only our product range we have been developing, our engineering department are second to none. Whether it's research and development, technical testing, our consultation engineers are your expert contacts from the start.

Schaeffler offers these components separately or as matched systems meeting customers' requirements for maximum compactness, dynamics and performance. Find out more about our developments here: https://www.schaeffler.com/remotedien/media/_shared_media/08_media_library/01_publications/schaeffler_2/brochure/downloads_1/fro_de_en.pdf



For the joints, Schaeffler offers a system assembly consisting of the DuraWave RTWH strain wave gear with the XZU angular contact needle roller bearing and the UPRS-series motor.