



We pioneer motion

Mechatronic Solutions

High-performance. Precise. Application-oriented.

Mechatronic solutions

High-performance. Precise. Application-oriented.

Tangibly shape Industry 4.0 with Schaeffler

Schaeffler is putting Industry 4.0 into practice – for increased customer benefit, sustainability, and efficiency. Even today, customers from a range of sectors are already reaping the benefits of our 4.0 solutions.

Smart sensors and mechatronic products from Schaeffler record data at the central points of any type of machine during operation. When combined with Schaeffler’s system and modeling expertise, these real-time data form the basis for a digital image of the machine that makes further analyses and digital services possible.

Our smart components and ready-to-install systems are always perfectly tailored to the specific application. Convince yourself and benefit from Schaeffler Industry 4.0 solutions.

Schaeffler – your partner for industrial intelligence

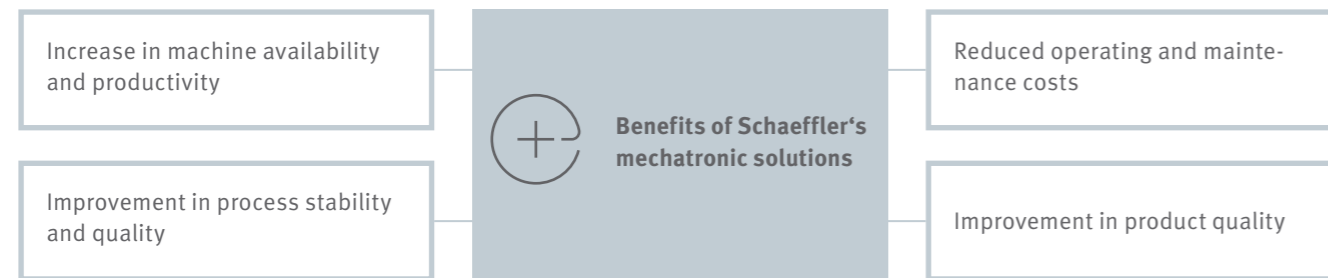


Contact us:
industry4.0@schaeffler.com

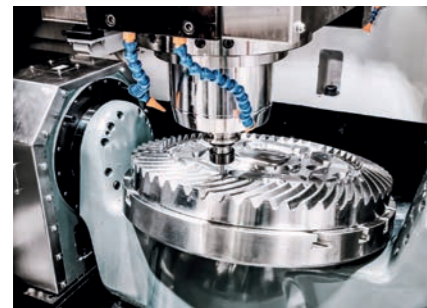


[> Further information about Industry 4.0 with Schaeffler](#)

Benefits of Schaeffler’s mechatronic solutions



Mechatronic products for various industrial sectors



Machine tools 1 2 3 4 7 9 10



Medical technology 1 5 6 7 8 9 10 11 12



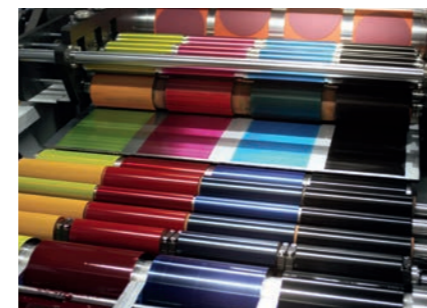
Robotics and automation 1 3 5 6 7 9 10 11 12



Offroad 3 5



Food and packaging 1 5 6 7 9 10 11 12



Printing and textile machines 1 6 7 9 10 11 12

Mechatronic components at a glance

1 DuraSense



Linear guidance with integrated sensor technology for monitoring the lubrication system and for automated relubrication

[> Further information](#)

2 SpindleSense



Innovative monitoring system for spindles to reduce machine downtimes and increase the utilization of machine capacity

[> Further information](#)

3 TorqueSense



High-performance solution with customer-specific mechanical interfaces for non-contact torque measurement

[> Further information](#)

4 Measuring system bearings



Optimum combination of bearing and angle measuring system for high positioning accuracy, machining quality and machine availability

[> Further information](#)

5 P.ACT



Electromechanical linear actuators with highest power density for flexible configuration for many industrial applications

[> Further information](#)

6 Modules and tables



Plug-and-play linear modules and tables with perfectly matched components and optimally adapted to the respective application

[> Further information](#)

7 Positioning units



From standard to individual: cost-effective all-round service packages in great variety as ready-to-fit complete solutions

[> Further information](#)

8 ZAXB



Compact bearing unit with integrated electromechanical brake for ceiling pendants in operating rooms – smooth running, resilient, low-noise

[> Further information](#)

9 Torque motors



High-performance torque motors for all rotary axes for maximum power density and perfect turning, swiveling and positioning

[> Further information](#)

10 Linear motors



Economical linear motor series in a wide range of sizes and performance for simple to demanding applications

[> Further information](#)

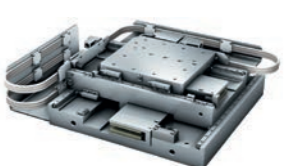
11 UPLplus



Ironless linear motor series with best force-mass ratio for more dynamic and precise handling of small masses

[> Further information](#)

12 Direct drive systems



Precise, high-performance systems with accelerations up to 1000 m/s² for high dynamics and shorter production cycles

[> Further information](#)

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