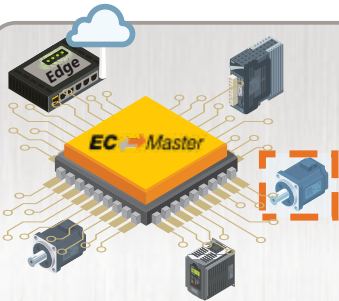# EtherCAT Software

acontis offers **real-time software** for more than 20 years. We are the experts for our customers that need reliable real-time capabilities for machine controllers, medical devices, transportation systems and more. Our company is known for high quality products "Made in Germany".

We take real-time machine communication to the next level with our extensive portfolio of **EtherCAT software** - enabling our customers to realize the best-in-class EtherCAT controllers, as well as enabling thousands of companies to commission and operate EtherCAT networks with maximum performance and highest availability. With our unique EtherCAT simulation technology, we facilitate the realization of digital twins of devices and networks and also empower our customers for hardware-independent implementation of EtherCAT SubDevices.

The acontis EtherCAT MainDevice software is the core in countless EtherCAT networks - including machinery, aerospace, medical, automotive, measurement and many more industries.

Complementing to the EC-Master, acontis offers a full portfolio for all users of EtherCAT: From development and verification, commissioning and supervision to maintenance and trouble-shooting.

Key Benefits of acontis EtherCAT software

- High performance and low CPU load for fast update rates.
- Ready-to-run for many operating systems.
- Supporting all major CPU architectures: x86, ARM, RISC.
- Available for many processors from AMD, Broadcom, Infineon, Intel, NXP, Nvidia, Renesas, ST, Texas Instruments or Xilinx.
- Fast project realization by easy-to-use software and APIs, extensive documentation, examples and professional support.
- Most reliable and robust implementation, field-proven since 20 years in many high-profile controllers from Bosch Rexroth, Lenze, KUKA, Omron, Panasonic, Yaskawa and many more!

acontis EtherCAT portfolio

EC Engineer	Most convenient configuration, commission and analysis of EtherCAT networks
EC Simulator	Use digital twins for controller or device development, verification and virtual commission
EC STA	EtherCAT MainDevice and Testing functions combined in one powerful tool
EC Monitor	Link EtherCAT data to IoT and supervision systems independent from EtherCAT controller!
EC Inspector / EC Lyser	Monitoring and troubleshoot EtherCAT networks