



Putting Quality to the test

Like all Interroll locations, the Global Center of Excellence for Conveyor Rollers and RollerDrive in Wermelskirchen, with its some 210 employees, is committed to delivering top quality. "It's embedded in our DNA," says the Center's Managing Director Armin Lindholm. "Our extensive quality assurance program applies to both new and optimized solutions as well as to our existing products."

Every single RollerDrive produced in Wermelskirchen is checked electronically before delivery to customers. The purpose of the final inspection is not only to ensure full functionality, but also to collate the data of the tested product's serial number and supplier components before the information is stored in the Interroll Cloud as a digital twin. The ability to draw on this data aids customers in service situations.

While existing product lines undergo regular quality inspections, new solutions, together with their integrated software, are subjected to a complete battery of performance, stress and application tests around the clock. One example is the DC Platform, which is a coordinated offering of RollerDrive, controllers and power supplies. Prior to their market launch, the products along with their modules and individual components underwent millions of hours of rigorous testing in all conceivable application scenarios.

"More than 1,000 RollerDrive, for instance, are being tested around the clock on 14 lines," says Reinhold Weichbrodt, Technical Manager at Interroll Engineering GmbH. "The drives, together with their controllers and smart power supplies, and their many variations are put through the toughest performance and endurance tests."

All test data of the RollerDrive, covering speed, load and start/stop requirements, is monitored and evaluated in real time. This process ensures the seamless functioning of the related hardware and software in an extremely wide variety of application scenarios.

Because Interroll products are deployed in various climate zones around the world and in industries with specific requirements, special chambers test their resistance to heat and both chilled and deep-freeze conditions. Engineers also pay special attention to the integrated software and flawless functioning of products in various application scenarios. "We use our own conveyor system in the test center to check the seamless interplay between software and hardware before introducing product innovations," says Application Engineer Holger Auerbach. "That's how we can assure the maximum performance of our products to meet customers' specific applications."



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