A Passion for Precision

ZEISS trains its people to ensure they're well-equipped to meet the growing needs in quality assurance

Metrologists need both exceptional hardware and the right expertise to deliver precise measuring results. Daniel Döhn from Fiber-Tech is new to the industry and took advantage of the available ZEISS training to quickly become a quality assurance specialist.

From Industry Newcomer to Specialist

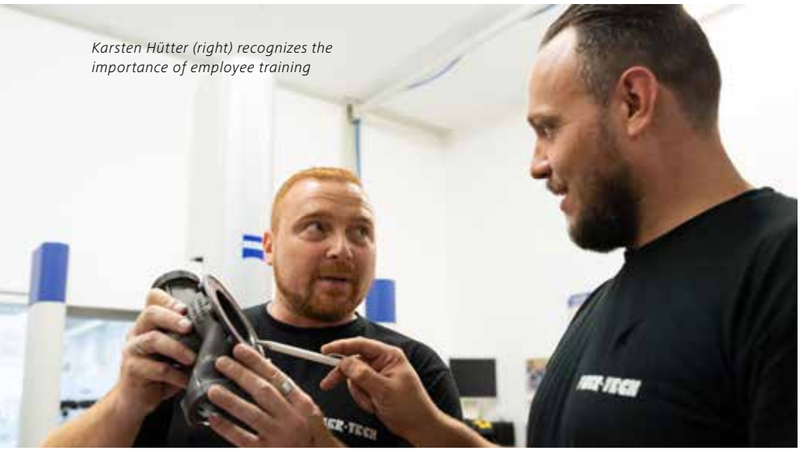
He was always interested in technology and computers, and three years ago quickly developed a passion for precision. Daniel Döhn works as a metrologist at Fiber-Tech CNC Management GmbH. Just three years ago, his health forced him to give up his old job and he began working in Quality Assurance at the company, which is based in eastern Germany. He had no formal qualifications in this or a related field. But thanks to his drive, the support of his supervisor and the available ZEISS training, Döhn quickly became a metrology specialist. He attended five seminars, three of them AUKOM courses and two on software – Basic and Advanced CALYPSO – between December 2017 and June 2018 at the ZEISS headquarters in

Fiber-Tech is a contract manufacturer for CNC metal processing and produces parts for the automobile and gas industries

Oberkochen. This equipped him with the skills he needed to perform his measuring duties.

Rising Demands in Quality Assurance

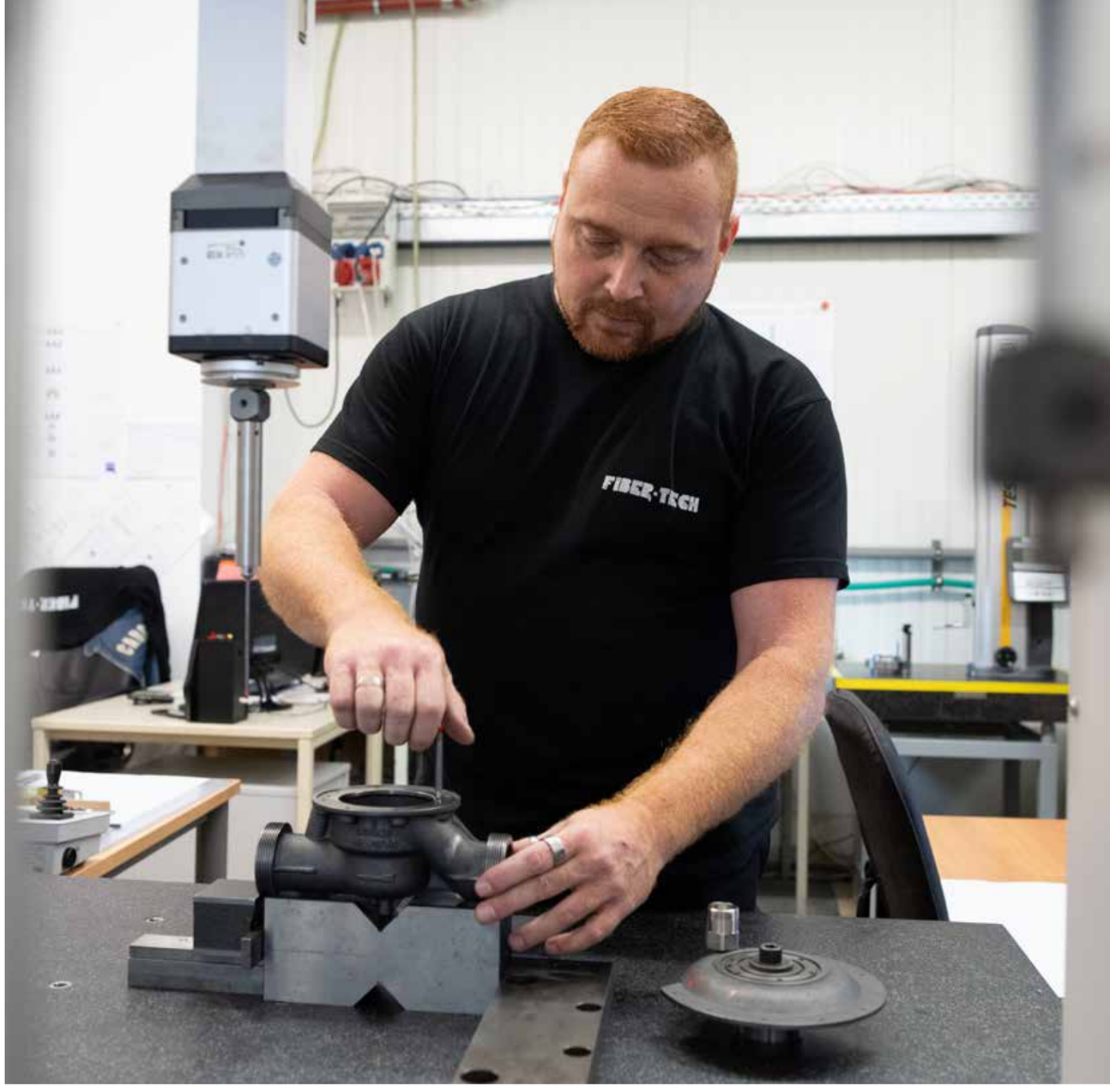
The workpieces are constantly rotating in the measuring lab thanks to Döhn and his colleagues. In pairs, they attend to the at-line measurement of the turned and milled parts. The challenge they face is that fits and other drawing features permit deviations of no more than a few micrometers. And then there are customers' expectations: higher quantities, faster delivery times, precisely manufactured products – according to Karsten Hütter, CEO of Fiber-Tech CNC Management GmbH, their demands are constantly rising. The company is a contract manufacturer in CNC metal processing and produces parts like steering gear housings for the automobile industry and shut-off valves for the gas industry. The division's tremendous growth in recent years prompted it to invest in a ZEISS CONTURA about four years ago. While a hand-operated measuring machine was used in the past, the ZEISS coordinate measuring machine can now be deployed in volume production.



Karsten Hütter (right) recognizes the importance of employee training

Training: Get Set for the Future

To cater to rising demands, you need a high-precision measuring machine as well as a great deal of expertise. That's why Hütter believes it's so important to provide his employees with further training: "Our customers' high standards are always becoming more pronounced. We want to communicate with them as equals every time." He adds: "The level of quality that our customers expect cannot be offered from a single source." That's why he relies on ZEISS hardware and sends his staff to the company headquarters in Oberkochen to avail of the further training that ZEISS provides. "We've been working with ZEISS for many years and know we're in good hands," says Hütter. Döhn is also delighted with the instruction he received: "The training center is fantastic. The technology there is very impressive. I learned so much and I had a lot of fun too." You can really feel the enthusiasm he has developed for his work and the technology in such a short time. He believes that the ZEISS seminars have prepared him well for the future role that he sees metrology assuming: "I believe metrology is set to become the first stage of production as manufacturers are calling for ever greater precision – and that simply wouldn't be possible without this technology." ■



Daniel Döhn has been working in metrology for three years

About Fiber-Tech

The company was founded in 1990 by Dr. Matthias Pfalz and Juliane Pfalz. Initially, it primarily produced fins and paddles for surfboards using carbon and epoxy resin, but soon its portfolio was expanded to include advertising pillars, roller coaster seats, facade elements and much more. In 2010, Fiber-Tech manufactured balustrade elements in the shape of a tuning fork for the Elbphilharmonie concert hall in Hamburg. CNC metal processing is another area that has seen extreme growth in recent years.