

Beyond Vision inherited a Mitutoyo Bright 707 CMM.

We're a job shop so we do all kinds of different parts for mining industry, off-road type vehicles, automotive, but not a lot, like the truck industry. And we do some for defense, also.

Beyond Vision measures fairly small parts in their machine shop—anywhere from 3/8 inch by 3/8 inch of to 2 feet by 2 feet.

We do it for turning work and we also do it for milling work. Most of the parts we do it for are fairly simple parts. There's nothing too complex.

Emeric Rokay, manager of quality and engineering at Beyond Vision, explains that he had never used a CMM before, much less programmed one. Learning to use and program a CMM can be difficult, and learning to use the system and software with less than 20/20 vision comes with its own set of challenges.

John Fox, calibration lab metrologist for Mitutoyo America, trained Rokay on the CMM, as well as the use of MCOSMOS software.

"John has a lot of patience. That's what it takes," Rokay explains. "One of the things he did was spend a lot of time with me, and he was very patient because when I'm learning sometimes it takes me a little additional time because my vision isn't as good as somebody who has 20/20 vision. It sometimes takes me longer to locate things on the screen and to read things. so he had to wait sometimes because I would say wait a minute. Wait a minute. I've got to take a look at this. I've got to find this icon or whatever on the screen. Then I would have questions and I would ask him. A few times he took some paper and marked it up with a nice fancy marker so I could see it better. He helped me out that. He's a really easy guy to work with. He understood that it was going to take me a little extra time and he didn't appear to get frustrated, which helped, and answered all of the questions that I had."

"I hope John sticks around a while, at least until I retire. John is a great guy. He's a very patient man and he helped me out tremendously to learn the machine. John is extremely knowledgeable with the machines and the software. And once he left here, I was able to work with it." The key to good training.