

Case Study

Customer OKAY Industries

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“ We saw **major** savings in all categories” ... “Less scrap from incorrect tool setting and improper run out as well as time savings by measuring offline. The presetter was a **significant process improvement.**”

- Josh Palotti
OKAY Industries

OKAY Industries increases productivity using Elbo Controlli's Offline Tool Presetter

CHALLENGE

OKAY Industries challenge was to design a better process for measuring and inspecting their cutting tools. Most production jobs consist of small tooling between 1mm and 3mm. They found that inconsistent runout was destroying tool life and affecting part quality. They identified the need to verify tool runout, measure tools and inspect cutting edges. This ability would eliminate catastrophic failure during machining and prevent damage to sensitive fixturing. The ability to inspect tools before they are loaded into the machine would save them time. Currently, they run a test cut program to ensure the cutter geometry is correct. This process was time consuming and cumbersome for setting and adjusting tools. They knew there had to be a better method. That is when they decided to implement Elbo Controlli's Hathor Six offline tool presetter into the process.

SOLUTION

OKAY Industries presented a unique challenge. They required a presetter to verify tool condition as well as check for tool run out of unique cutting tools. They chose to go with Elbo Controlli's Hathor Six model. This unit would be capable of measuring and inspecting all of OKAY industries tools. They also chose the unit for the enhanced software platform, universal pull stud retention system and intuitive user interface.

BENEFITS

- **Saves time by taking tool setting offline**
- **Setup time reduced tremendously**
- **Better tool life**
- **Less scrap from incorrect tool setting and improper run out**



OKAY Industries - located in Berlin, Connecticut

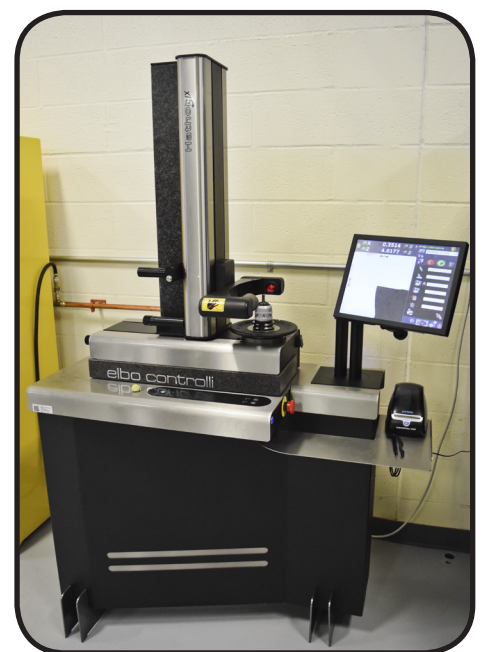


Josh Palotti, Lead CNC Specialist at OKAY Industries, checking a tool on the HATHOR SIX.

RESULTS

Josh Palotti, Lead CNC Specialist at OKAY Industries, was involved with purchasing the presetter. "We needed a presetter to easily check a wide range of tool types" he said "we see the time savings by taking tool setting offline" The presetter is a vital part to the setup process in the shop. At first, they dedicated the presetter to a small cell of 2 to 3 machines. **They quickly saw their setup times for the cell reduce tremendously.** They also saw that they had much better tool life and far less scrap than other machine cells. After 6 months of use, OKAY Industries decided to train all of the operators and use the presetter for all vertical milling centers in their facility. "We saw **major savings in all categories,**" says Palotti, "Less scrap from incorrect tool setting and improper run out as well as time savings by measuring offline. The presetter was a **significant process improvement**"

When asked why OKAY chose the HATHOR Six from Koma Precision, the answer was simple. "**They provided local service and support, an easy and intuitive control and accurate measurements.**" Koma Precision is proud to be a partner with such a prestigious manufacturer in the medical, automotive, defense and industrial markets.



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