

CUSTOMER - REPORT

Modern Industries Inc. Improves Accuracy with WinTool

An increasing volume of production data is processed on flexible machining lines and 5-Axis machines today. Modern Industries dealt with this issue and shares some insight about their WinTool experience.



Jacob Ringwald, WinTool Master at Modern Industries.

MODERN INDUSTRIES has grown steadily to become the largest machining and support services company in Phoenix, AZ. Part production for the Aerospace industry has been an important cornerstone since their founding and resulted in long-standing relationships with firms such as Boeing, Raytheon and Hamilton Sundstrand. Today they are also a major supplier to manufacturers of Semi-conductor Production Equipment.

The highly skilled and motivated workforce at MODERN INDUSTRIES cuts precision parts of superior quality and at competitive cost. They earned these advantages through a constant customer focus and an exemplary manufacturing process organization.

Growing Complexity In Production

In 2009 MODERN INDUSTRIES noticed a growing issue on their FMS lines and some standalone machines: The amount of tool data was increasing steadily and was being routed through a variety of systems such as CAM software, Excel sheets or FMS management software. The M.E. team discussed a system that could simultaneously improve production



- Modern Industries started in 1969 as a supplier to the Aerospace industry
- Today over 70 machines and 2 fully integrated FMLs with 11 Makino Horizontal Mills
- Design engineers are available to improve product performances with customers

accuracy and workflow efficiency. The solution was a single source database organization.

At IMTS 2010, the Director of Engineering, Mr. Ed Zimmermann, and his team took the investment decision. We asked Ed what convinced them to go with the WinTool solution: "We liked a few things about it: First, the interface with our CAM software allowing us to pull tools directly from WinTool from within Mastercam; Second, the tool-list management for our machine operations very was important; and third, the ability to work with other software packages, such as Vericut, as well as other formats."

How Did The Implementation Go?

"WinToolUSA provided the training and it went very well. The software installation was straightforward as well. Upgrades come out frequently but we need to test it first to ensure uninterrupted production. As of today we have accomplished many of our goals but it is still a work in progress. You can do many things with WinTool and need to set your priorities."

Any Improvements in NC Engineering?

"WinTool gives us a more accurate verification in our CAM software with real tool builds allowing us to prove code before it hits the MFG floor. The detailed tool build information allows us to store much more accurate speed and feed data. WinTool made it easier to manage program tool-list for the machine operators and saves us time by going to one source to find all the needed information on our tooling."

How Did It Affect Machine Setups?

"The reports give us very detailed information of our tool builds leaving very little to question when building the tool assemblies. Also we are able to network WinTool right to the point of use at all of our tool presetter stations for easy access. It has helped us to create a standard tool library allowing us to use the same tool build on multiple applications and thereby reducing inventory."