



"Tray-Pak would recommend HSM Performance Pack to anyone using Mastercam 3D" - Tom Smith, Tray-Pak Corp

Tray-Pak was formed in 1975 as a custom thermoformer of cookie and candy trays. Today, Tray-Pak produces all types of thermoformed packaging, using virtually all types of thermoformable plastics and materials for a wide range of industries.

The Challenge: Tray-Pak specializes in medium to large production runs. To remain competitive it is critical that engineering meet the most ambitious turnaround times and minimize time-to-market on every product they design and manufacture.

Tray-Pak's internal motto has always been, "If you can think it, we can make it." This mentality has allowed customers to push the envelope on creativity for their packaging. As the designs have become more creative the time to get parts into production has been a very sensitive area. The time from CAD design to CNC code has compressed due to market forces beyond Tray-Pak's control. After identifying and addressing areas for improvement in their design processes Tray-Pak realized the only area for improvement was in the CNC programming department - they had to reduce programming time. It was simply taking too long to get from CAD data to CNC toolpaths. Once machined, the parts still had to go through hours of polishing before they were ready to be used in production. Tray-Pak's customers' speed to market depended on Tray-Pak's ability to reduce the turnaround time for tooling.

The Recommendation: Tray-Pak sought to reduce programming time, processing time, and improve toolpath quality. They contacted their Mastercam Reseller (Prism Engineering of PA) and described their challenge. Tom Smith, CNC programmer for 19 years, told Prism that Tray-Pak needed help and was getting desperate to find a solution.

After reviewing the issues and determining that Tray-Pak was utilizing their existing tools as efficiently as possible Prism Engineering recommended Tray-Pak take a serious look at CIMCO's HSM Performance Pack for Mastercam.

Matt Kelly of Prism commented, "Mastercam offers a wide range of 3D toolpaths, probably more than most PC-based CAM products. However, what Tray-Pak needed was more than Mastercam alone was able to offer. HSM Performance Pack for Mastercam offers more advanced toolpaths and high-speed machining options that simply don't exist elsewhere, so we recommended they test the solution to see if it would provide the improvements they were looking for."

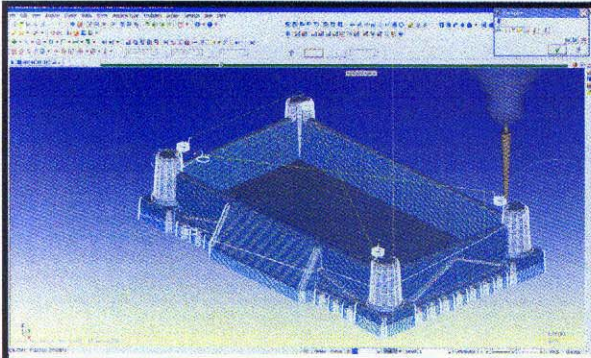
The Results: After a short evaluation Tom and his fellow programmers at Tray-Pak were convinced CIMCO's HSM Performance Pack with Adaptive Clearing™ was the solution they had been looking for.

Tom Smith commented, "Tray-Pak had invested heavily in the Mastercam solution over the years and we didn't want to lose any of that investment. Not just the money, but the efficiencies and knowledge that had been built around the solution. CIMCO's HSM Performance Pack allowed us to build upon that investment with a fully integrated solution. The result is an increase in productivity greater than we had expected."

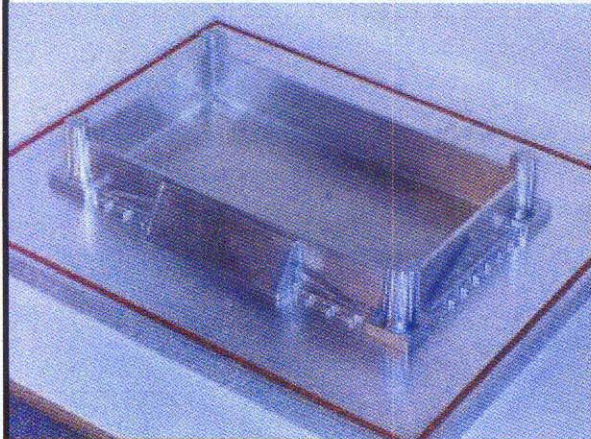
The results speak for themselves:

"We have increased our programming speed by 20% minimum, reduced cycle times by at least 30% consistently, and the surface finish we are able to achieve with CIMCO HSM (Performance Pack) has cut our polishing time in half. Tray-Pak Corporation would recommend the CIMCO HSM Performance Pack to anyone using Mastercam 3D."

For more information on Tray-Pak Corporation visit them on the web at www.traypak.com
For more information on the HSM Performance Pack for Mastercam goto www.cimco-hsm.com



HSM Performance Pack Toolpath plotted in Mastercam X



Finished Part Created with HSM Performance Pack for Mastercam



Photo of Finished Thermoformed Part

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