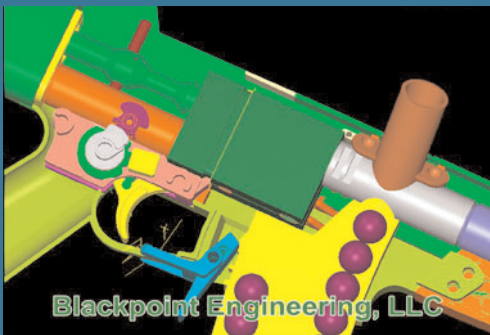


Blackpoint Engineering

Blackpoint Engineering Paints a Colorful Future

“For the machinist in me, how could I not like the intelligence of Mastercam’s Feed Rate Optimization or the inherent efficiency of a software package built upon full associativity?”

— **Steve Wygant**
Blackpoint Engineering
Goshen, Indiana



Seven million intrepid American sportsmen engage in paintball gamesmanship, making it the tenth most popular sport in the country. Blackpoint Engineering of Goshen, Indiana has been for eight years, one of the most innovative contributors to the development of this multi-billion dollar industry.

Blackpoint invents and supplies a broad line of original paintball accessories for the industry and will soon be offering military combat paintball guns. How does a small but growing company like Blackpoint stay competitive in the high visibility sports products world, and also meet the demanding high accuracy mil specs for battle training? "Well," says Steve Wygant of Blackpoint, "When you're small, you need to find a big advantage that is very efficient." Wygant found out quickly that Mastercam products were very easy to use and produced big results.

"How could I not like the intelligence of Mastercam's Feed Rate Optimization or the inherent efficiency of a software package built upon full associativity?" says Wygant. Now, Steve was looking at improving his quick response design capability. His current system for modifying custom parts was like drudgery. And, it seemed that today's customers were requesting modifications for more and more parts on an accelerated schedule. At the same time, the company was expanding its own new product development program.

Wygant found out that Mastercam Solids would allow Blackpoint to import, create, and program their solids in the same easy-to-use interface. "We can import Parasolids®, SAT and inventor™ files as solids, surfaces and/or wireframes, as well as export Parasolids® and SAT files. Another nice feature is the ability to open SolidWorks® and SolidEdge® files directly," says Wygant.

What Mr. Wygant liked best was that the Mastercam Mill / Mastercam Solids combination gave him full associativity between his design, engineering, solid model, and toolpath. He could make a quick change to his solid model, and get an updated toolpath with a single mouse click. It was software that helped him implement engineering genius. As Steve Wygant notes, "With the Solids upgrade I could go from design to machine ten times faster. What once took me weeks, is now days."

Mastercam®