



Short-Story on Short-Run

By the Numbers: Donnelly Dissects the Short-Run Process, One Measurement at a Time

May 2005



Vice President,
Finance & Technical Operations

JERRY BIENIAS – As part of our quest to set the standard in short-run manufacturing we have purchased an annual license for a software called Correlation Master™ from Algoryx™.

This software solution is designed to provide a means to easily correlate a multitude of dimensional measurements taken from varying injection processes and accurately predict which process will provide the largest manufacturing window. Correlation Master integrates and correlates multiple print dimensions quickly, and accurately predicts a single measurement to use in process control, providing us with additional confidence that we have good first parts.

Given our focus on Short-Run Manufacturing, we need to be terrific at launching molds into production quickly, effectively, and economically. Many of the 200-plus molds we launch each year will run less than 50 hours annually, (some less than 15 hours) so our customers cannot economically justify spending significant time in the sampling and launching phase of a project. We believe this software will assist us to get good parts quickly and consistently throughout the manufacturing process.



Director,
Advanced Manufacturing

SAM WAGNER – This revolutionary software and training program has already begun to reinforce our previous knowledge about locating one critical measurement, and the fact that all measurements for a tool are related to a single measurement. With that said, we believe this software brings yet another distinct advantage to our short-run manufacturing process, further tightening the development to production cycle.

Software Advantages

- Reduce time-to-market by integrating design, tooling, process and quality engineering functions
- Maximize quality and reduce waste
- Produce consistently good parts, faster
- Statistically demonstrate added-value to customer

Over the next several months, we will be testing this unique software as we assess and determine the critical measurements for new projects we are launching and selected parts we already manufacture. Our commitment is to know our customers well enough to tailor technology-based solutions and answers to the toughest manufacturing challenges facing their business.

Allow us to discuss how Donnelly Custom Manufacturing can deliver unique and enduring value. We encourage you to share your challenges by calling us, to learn how this technology and our approach for setting the standard in "How Short-Run is Done" can meet your business challenges. Please call us at 952-447-6074.