SolidWorks CPU Benchmark – courtesy of Accurate Die Design, Inc.

Purpose:
This part is meant to be used as a benchmark to compare your computer to others around you. As most of you know by now if you've been using SolidWorks for any amount of time on medium to large assemblies, the speed of your processor is very important. Most people would agree that it is the one element that will slow you down the most.

For years people have talked about how important RAM is to the equation, but frankly, RAM has become a commodity at this point so that nearly everyone has at least 4 gigabytes of RAM today. For the majority of die designs out there, 4 to 8 gigs of RAM is quite adequate. So this benchmark assumes you are not being held back by insufficient RAM. If you are, there's a 99% chance you also have problems with processor speed.

Companies spend several tens of thousands of dollars per employee per year in wages and benefits. I would encourage them to use this benchmark to help them consider whether or not a $3,500 investment in a fast computer for this employee could save them a good deal of money in the big picture. I have a very good customer who once did a very sophisticated ROI spreadsheet that showed his employer that the computer could be paid for in 2 months.

If you are considering purchasing a new computer for die design with SolidWorks and Logopress3, I would strongly recommend contacting us first. We spend a great deal of time collecting data on computer performance for doing large assemblies such as die design. After choosing the right software and having a good designer, nothing can negatively impact the process as much as a slow computer.

About the benchmark:
I created this benchmark because many of our Logopress3 customers wanted to have a way to measure their computer's speed and compare it to others being used in the industry. Of course a tool like this is important to justify to management that perhaps a new computer is in order.
There are things in this model that could get changed and make the model rebuild considerably faster. But again, the purpose of the model is not to see how fast we can get it to rebuild, but as a benchmark for comparison.

I would like to thank Anna Wood from Auer Precision in Mesa, AZ for the idea to do something like this. She gave me the suggestion to make a model similar to this that I could share with our customers that had patterns in it that would tax the system, thereby representing a larger assembly. For those of you who have met her, you know she's super sharp. I'd like to thank her for the tour she gave me at Auer Precision. After visiting this company, it is easy to see where they get the name. Check out Anna's blog at www.solidmuse.com .

Usage:
1. Download the file **_SolidWorks CPU Benchmark.zip**, unzip and then open this part file
2. Go to Tools, Options, Performance and turn off (uncheck) Verification on rebuild
3. Press Ctrl – Q simultaneously to do a forced rebuild

Please be patient because it may take a bit less than a minute or perhaps as many as 3 minutes or more for the rebuild to complete.
Upon completion, go to Tools, Feature Statistics, and read the third line down where it says "**Total rebuild time in seconds: ttt:tt**". Write down the time listed.

(Continued on next page…)

SolidWorks CPU Benchmark (continued)

Results Submission:
Submit as much of the following as possible to **Ray.Proeber@AccurateDieDesign.com** with the subject SolidWorks CPU Benchmark results:

- User's first name, middle and last initial (we won't share any last names)
- Rebuild time after Ctrl-Q with Verification on rebuild off
- CPU (Processor) information
- CPU Speed
- Overclock Speed (if overclocked)
- *Ram information
- *Video card
- *Hard drive information
- *Computer brand & model # (or N/A if not known or home built)
- Computer type (desktop or laptop)
- *Computer cost (without monitor)
- *Date (mm/yy) of computer purchase or build
- SolidWorks version and SP
- Operating system and SP

*Optional

System Properties:
You can access system properties by clicking Start, and then right click on My Computer and select Properties.