



Metal Casting Simulation Software & Consulting Services

NEWSLETTER

Winter 2021

New Year's Special!
21% Off All Consulting
Through January 31st

Automatic Meshing / Thermal & Solidification / Porosity Prediction / Fluid Flow / Stress & Deformation / Consulting

With the new year here, it's a good time for us to reflect and see how to improve. EKK has received much feedback, and we wanted to share a word from one of our customers:

"I've been using EKK software for 5 months, and so far I am impressed with its performance. It took a while to get used to all the extensions, but once I got that, things started making sense as far as the software interface goes. I am very impressed with the software user support. It is very good, I would say way above average. I had many training sessions before, and I am certified in 4 other CAD and simulation systems, and I don't remember having such a great experience with user support. With EKK, questions are answered quickly and are in depth, and that is a differentiator. I like to understand the theory behind things."

- Pawel Babiarz, Lean Tool Engineer, Anderson Global

Upcoming Events

AFS American Foundry Society

METALCASTING CONGRESS 2021

Made for Today, Ready for Tomorrow
April 12-22, 2021
Streaming Live and On Demand

AFS 2021
Metalcasting
Congress

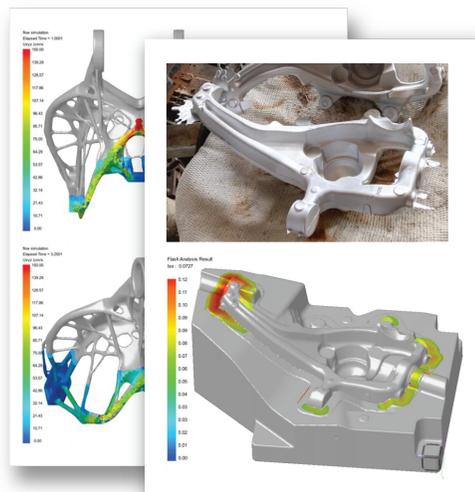
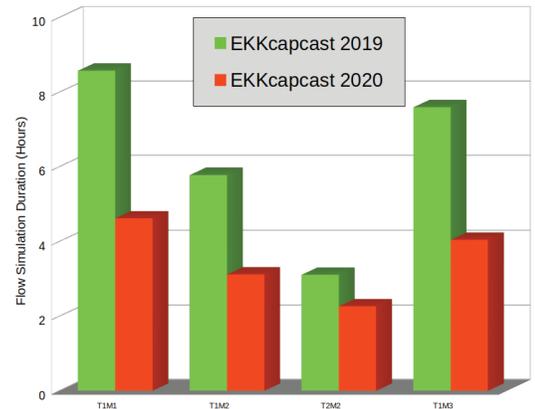
<https://afsinc.org/>

April 12-22, 2021

EKK is planning to present papers as well as attend. Come join us!

Meshing Upgrade

After continually working to improve simulation efficiency in EKKcapcast, we are pleased to announce that a new software upgrade has been released, bringing with it a new mesh generator version. This mesh generator has been shown to **decrease fluid flow simulation durations by 15 - 50% without any additional changes.** To the right is a set of simulation time comparisons using the same flow solver but different mesh generators, highlighting the improvement.



EKK Presenting Papers

We will be presenting 2 separate papers at AFS' Metalcasting Congress event in April on using simulation to improve the casting process. We will discuss *numerical analysis of 3D printed sand mold casting process* and *using cost-effective mold distortion simulations to predict and model flash*. We're excited to share our findings and engage in productive discussion regarding the future of casting simulation.