



ADSTEFAN

Process Optimisation by Casting Simulation

ADSTEFAN SUCCESS STORY

World's Fastest Casting Simulation Solution

Business Challenges:

- ✓ Improving yield
- ✓ Optimising Methoding
- ✓ Improving Development time
- ✓ Reduce shop floor tryouts

Key to Success:

- ✓ Using Simulation to meet engineering challenges
- ✓ High speed simulation
- ✓ Niyama Parameter Studies

Results:

- ✓ Successfully achieved the defect free parts in a very short period of time.
- ✓ Successfully improved the yield by 2% in 2 parts.
- ✓ Easily controlled the defect on the critical part which was not resolving from last 1.5 months.
- ✓ Improve delivery period

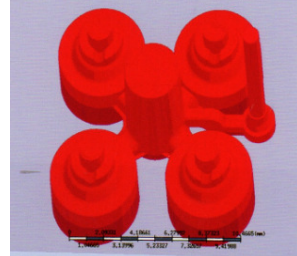
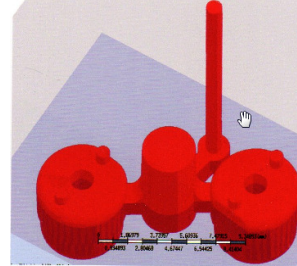
Partner :
Kadkraft Systems Pvt. Ltd.
Chandigarh

www.adstefan.com

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Simulation



Part



About Adstefan:

The world's fastest casting simulation software, Adstefan, is a trademark by Hitachi and is based on the Japanese research. The R&D work on this software is being carried out at the Tohoku University, Japan. The software is significant for all type of casting methods, with automatic mesh generation tool.

Company Profile:

JMP Industries is the casting industry based in Jalandhar, Punjab and was established in the year 1957. They are the suppliers of Foundation Brackets, Auto Bracket, Hinge Brackets, Chassis Brackets, Trunions, Gear Oil Retainer, Gun Metal Bushes, Sleeper Inserts, Crankshaft Casting etc by using the gravity casting method.

The Challenge:

In 2015, the company was manufacturing its casting with their best of the experience, but was facing a casting defect in one of their project. After doing many shop floor tryouts, the problem was not being resolved.

By implementing the Adstefan Casting simulation software, it became very easy for JMP to get all the defects resolved from the casting without going on the shop floor. The in-house simulation software has a lot of advantages for development process in terms of flexibility and development time.

After successfully calibrating the simulation software, JMP is benefiting immensely from Adstefan.

We are happy with the benefits of this simulation software.

We evaluated different simulation software but found that Adstefan is the best in terms of cost to performance ratio.

We will strongly recommend it for its functionality and ROI (Return on Investment).

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