

ATAS METSTAR W

STREAMLINED FOR WHITE SAMPLES

A NOVACAST SYSTEMS PRODUCT



ATAS METSTAR W

ATAS MetStar is an easy to use, adaptive metallurgical process control system for analyzing, stabilizing and optimizing the metallurgical process. ATAS MetStar W is streamlined for white samples and will help foundries get more consistent castings and improved metallurgical quality.

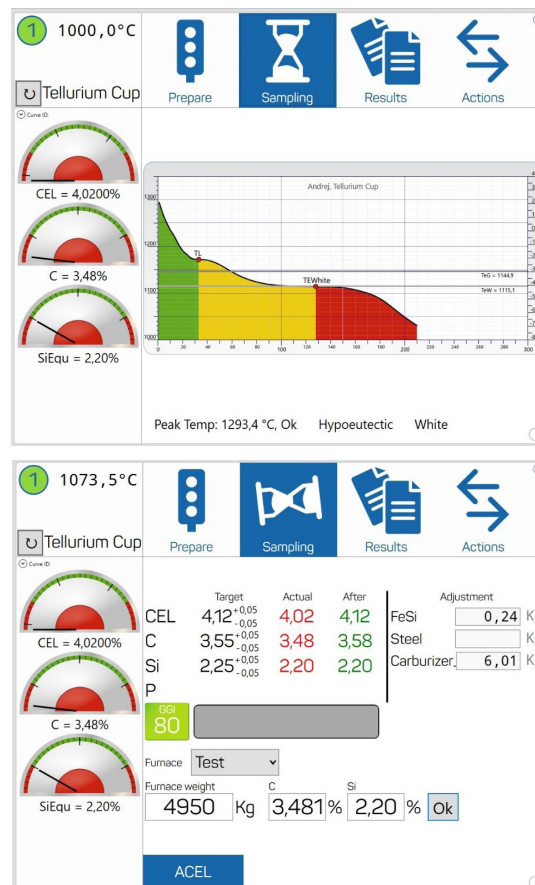
Every cast iron foundry needs to realize the importance of controlling molten metal carbon equivalent. Since spectrometer evaluation of light materials is questionable at best (especially Carbon), NovaCast offers ATAS MetStar W to determine CEL (Carbon Equivalent from Liquidus). This will open the path to lower variation in the quality of the molten iron, which is essential to get less (Macro) defects arising from not properly controlling the Carbon Equivalent. ATAS MetStar W is a streamlined version of our premium metallurgical process control system, ATAS MetStar, and is a necessary tool to have in the melting shop for white samples. The W version is exclusively for evaluation of white samples using ATAS W cups (sand cups containing tellurium).

With ATAS MetStar W, you can calculate and keep track of your liquidus temperature over time. This will enable you to control it, which means that you will have less variations in your melt. Less variations in your melt will give you more consistent castings, which will reduce your scrap rate, save energy, and contribute to a greener planet.

Usability and interactivity

ATAS MetStar W is easy to use for the operator, the metallurgist and the foundry manager thanks to the clean and intuitive interface with distinct

symbols. The interface is also coherent since it follows a structured process approach. It demands very few actions and input from operators which reduces the influence of the "human factor" on results and performance.



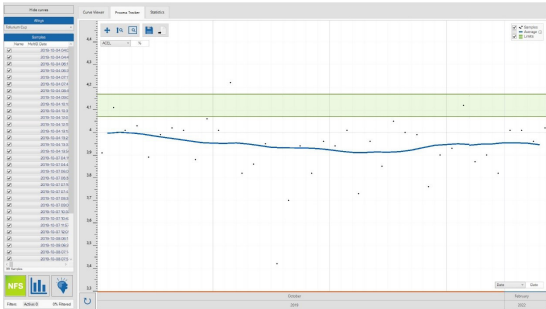
Process tracker - real time process information

The Process tracker is an instant information system that visualizes how crucial metallurgical parameters vary over time. Process tracker supports the operators on the shop floor to minimize changes in the metallurgical process. With this information, the operators can actively take required actions and break the trend towards decreased quality of the molten iron. The Process tracker can evaluate an extensive amount of data from different alloys and present it instantly.

Curve Analyzer

The analyzing module is developed to be as user friendly and flexible as possible. We have added

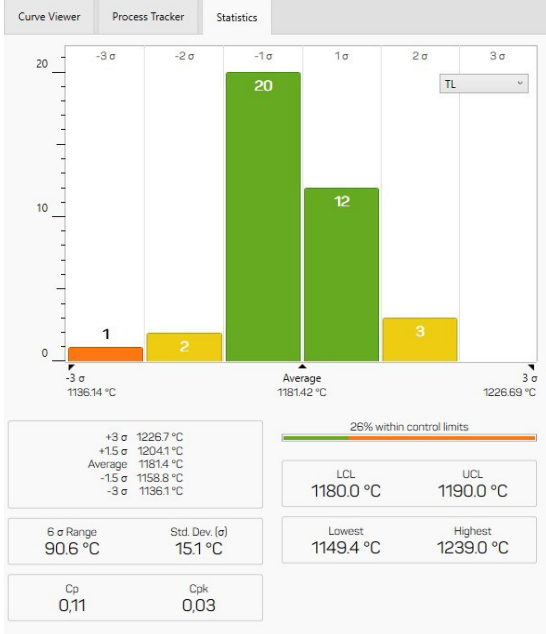
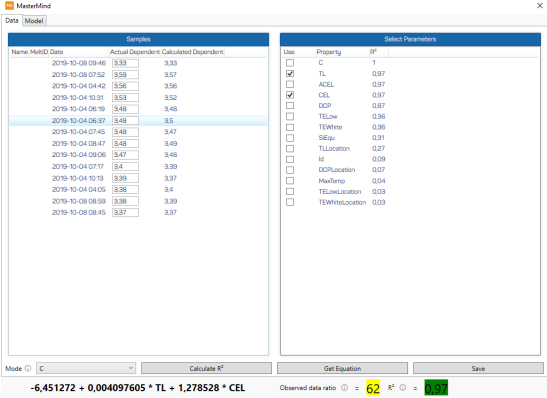
filters to easily filter by specific thermal parameters or to automatically filter out bad samples for further statistical analyze. Important is to know that ATAS MetStar W is capable of exporting all parameters acquired by the system as well as importing any kind of information from Excel to the system, which makes it much easier to work proactively.



MasterMind

One of the greatest capabilities in ATAS MetStar W is MasterMind. It is a process analyzing evaluation system based on a linear regression analysis.

MasterMind or import data via an Excel sheet, which is extremely fast for larger amount of data. MasterMind will give the user a correlation factor (R2) which is a statistical measure of how close the data are to the fitted regression line. The system can immediately create equations out of this correlation and save it to the User Defined Equations, which is further used in Process advisor for operator's usage. MasterMind is a very user-friendly advanced analysis tool, which will help solving foundry people's every day problems quickly and efficiently.



Support

Need support? Click on the "support" button in the main menu and you will be remotely connected to a NovaCast team member who will be more than happy to assist.

Using the system, it is very easy to look for correlations between ATAS MetStar W parameters and other parameters such as spectrometer readings (adjustments of Si content). We can type actual data for finding correlation directly into

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