SpArcfire

HITACHI
Inspire the Next

Control your spectrometer the easy way



PMI, QA/QC, METAL PRODUCTION



Is OES analysis complicated?

NOT ANYMORE WITH THE INTUITIVE SPARCFIRE SOFTWARE

SpArcfire is a modern operating software with a state-of-the-art user interface for all stationary Hitachi High-Tech optical emission spectrometers (OES). This software is designed to meet the requirements of metallurgical experts but is intuitive enough to be operated by unexperienced users meaning you can get your results quickly without the need for extensive training. The architecture is plug-in based – ready for now and fit for the future.

With a few easy and comprehensive steps you can:

- Analyse unknown materials.
- Search and verify grades with the world's most comprehensive Hitachi GRADE Database.
- Create your tailor-made report templates in a few clicks.
- Use wizards for non-routine tasks.
- Perform and evaluate accuracy tests with control samples.
- For advanced users: modify regression data to extend calibration ranges.

MORE BENEFITS

- Customise your user experience and manage permissions with user account management.
- Maintain the samples you use daily with the standards library.
- Create a tailor made grade set with the internal grade library.
- Measure and compare spectras of the entire optic with Sensor Scan.
- Customise analytical programmes with Matrix Manager.
- Extend and modify existing calibration curves with Calibration Curves Manager.
- Recalibrate one programme or the entire matrix at once.
- Adapt the spectrometer to a customer-specific sample without changing the original instrument calibration settings with Type Standardisation.

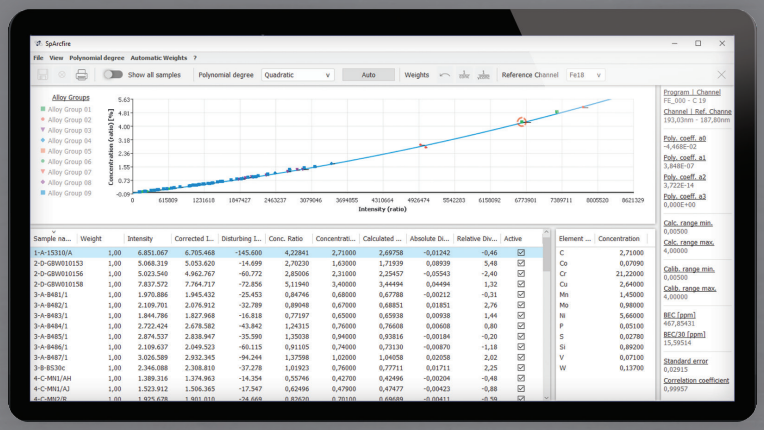
MODELS INCLUDING SPARCFIRE

- FOUNDRY-MASTER Pro2
- FOUNDRY-MASTER Xpert
- FOUNDRY-MASTER Optimum
- FOUNDRY-MASTER Smart

SPARCFIRE ASSISTS AND SUPPORTS YOU AT ANY STAGE

State-of-the-art and intuitive user interface

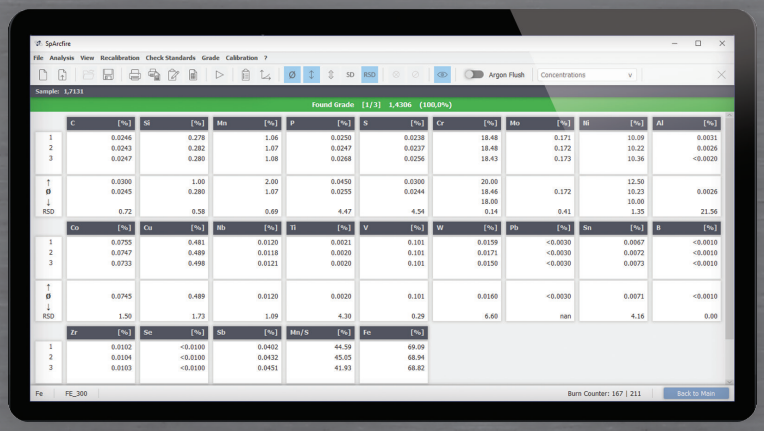
- Wizards guiding you step by step through none routine operations.
- Online help for direct assistance.
- Tooltips (moving the mouse near to the icon) show a brief explanation of the button function.
- Programmable event calendar: Schedule you regular tasks, such as maintenance, control sample runs.
- Intuitive report generator with drag and drop features for tailor-made reports and certificates.





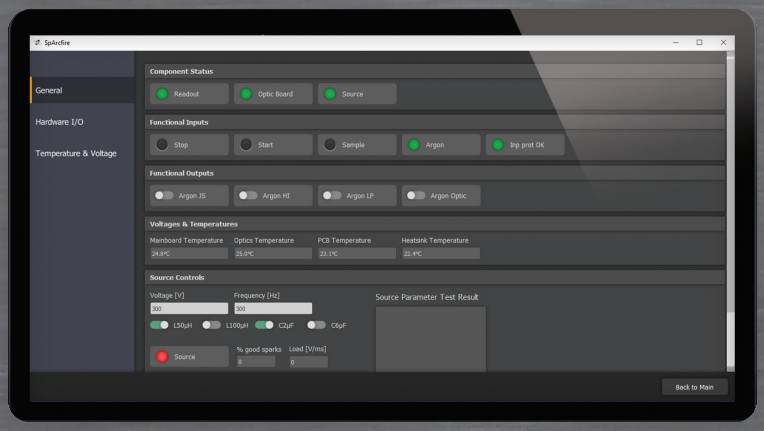
ANALYSIS VIEW: EVERYTHING AT HAND

You don't need to be a metallurgical expert to perform analysis. With just one click you may create your preferred view – horizontal or vertical. Also supressing elements, re-ordering them independent from display, printer and storage format is uncomplicated. Adding, editing and selecting formulas from the pre-installed formula library is quick and easy.



INSTRUMENT STATE MONITORING AND DIAGNOSTICS

- SpArcfire is a powerful tool to verify all systems parameters such as temperatures, pressure and voltages inputs and outputs.
- Easy to monitor and interpret the status of the instrument.





Strong tools...

...FOR THE ADVANCED USER.

SpArcfire provides a powerful regression software and a matrix manager in order to extend/modify your existing calibration curves and create methods on your own.

The Sensor Scan application with its scan manager makes your instrument future-proof and able to deliver additional qualitative analysis.

MORE INFORMATION

To find out more about the SpArcfire, visit **www.hitachi-hightech.com/hha**

Other products

We have been providing industrial analysis products for the manufacturing industry for over 40 years.

- **Vulcan:** latest LIBS technology for 1-second alloy identification with no X-rays.
- **X-MET8000:** for fast, reliable, non-destructive identification and analysis of alloys with XRF.

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Science for a better tomorrow