



PRESS RELEASE DECEMBER 2024

FOSECO Feeder Sleeve and Filter Data Now Available in ESI's ProCAST Software



FOSECO, the foundry division of Vesuvius, and a world leading supplier of casting consumables, and ESI Group, a part of Keysight Technologies, a world leading providers of software for the simulation and optimisation of casting processes, announce a new cooperation.

Thermo-physical data for the FOSECO feeder sleeve and filtration product ranges are integrated and made available in ESI's ProCAST (& QuikCAST) software. ProCAST, leveraging over three decades of expertise, provides detailed insights into the intricate dynamics of the casting process, empowering foundries to evaluate, validate, and optimize their casting processes, thereby reducing manufacturing costs.

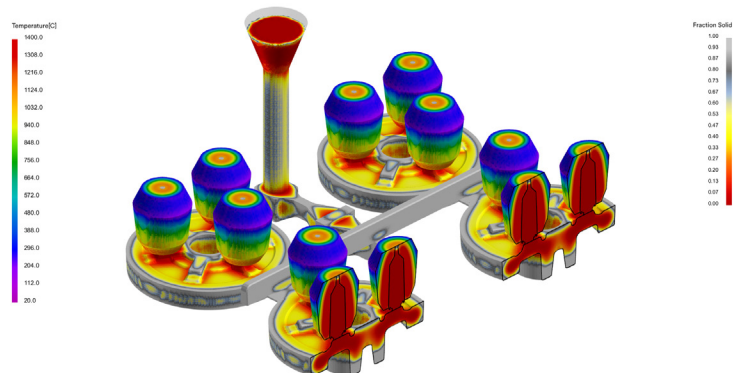
The integration of Foseco's feeder sleeve and filter thermo-physical data into ProCAST enables common customers of Foseco and ESI ProCAST to execute simulation projects more efficiently and confidently. By assigning the product-specific material properties to each feeder and filter, simulated filling & solidification results become more reliable.

This improved accuracy and confidence facilitates faster decision making, leading to better gating and feeding system design, fewer simulation iterations to achieve an optimized casting quality with maximized yield.

Initially focusing on products relevant to Ferrous Foundries in Europe, this integration sets the stage for future expansions, with plans to extend the geographic coverage more widely in subsequent phases. Foseco and ESI Group are committed to providing foundries with cutting-edge solutions that enhance efficiency, optimize processes, and drive innovation in the casting industry.

KEY BENEFITS:

- + **Accurate Simulations:** Foseco and ESI's collaboration integrates Foseco's sleeve & filter data into ProCAST for precise casting process & defect predictions, better decision-making, reducing iterations and enhancing quality with maximized yield.
- + **Efficient Workflow:** Having Foseco's data accessible in ProCAST helps foundries eliminate uncertainty in simulations, and boosts productivity.
- + **Worldwide Impact:** Foseco datasets for products relevant for to Ferrous Foundries in Europe will be available initially, and this collaboration shall pave the way for further regional expansion, and subsequently in other regions of the world.



esi ProCAST

FEEDING - FILTRATION - SIMULATION



ABOUT FOSECO

FOSECO, the Foundry Division of VESUVIUS plc, is a global leader in products and solutions for improving foundry performance. Our aim is to enable improved foundry performance by working alongside our customers to develop and apply products and services that produce better casting quality and higher productivity at lower costs in a safe and healthy working environment.

Contact:

Mr. Olaf Schulz
Global Product Director – Feeding & Filtration
olaf.schulz@vesuvius.com



FOSECO www.foseco.com

ABOUT ESI

ESI Group, a part of Keysight Technologies, provides reliable and customized solutions anchored on predictive physics modeling and virtual prototyping expertise. Acting principally in automotive, land transportation, aerospace and defense, and heavy industry, ESI software enables engineers to simulate mechanical designs, smart manufacturing processes, and human-centric workflows to make better decisions earlier in the product lifecycle. Keysight is an S&P 500 company delivering market-leading design, emulation, and test solutions to help engineers develop and deploy faster, with less risk, throughout the entire product lifecycle.

www.esi-group.com.

Contact:

Emilie Lieblich
Director, Global Marketing & Communications
press@esi-group.com
+33 1 41 73 58 32

Aline Besselièvre
Communications Consultant
ext-Aline.Besselievre@esi-group.com
+33 6 61 85 10 05



Disclaimer:

The data and information contained in this press release is representative and forward thinking; and should only be used for evaluating your specific application. When in doubt, contact Vesuvius. *FOSECO is a trademark of the Vesuvius Group, registered in certain countries, used under licence.

*Image courtesy Arenacasting SLU