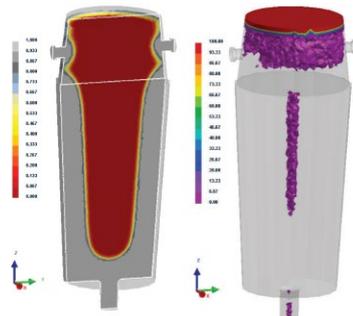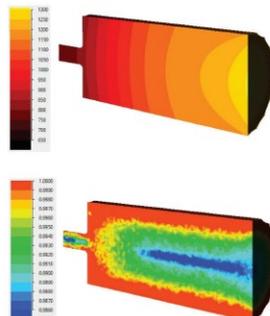# QFORM NEWS
AUTUMN 2015

ESI Group and QuantorForm partnership

We are happy to announce that since August 2015 QuantorForm Ltd. has partnered with Mecas ESI s.r.o. This cooperation will be especially useful for users who use both QForm and ProCAST programs and want to carry out simulation of an entire chain of technological processes from casting of an ingot all the way through forging.

Crystallization of metal with distribution of hard phase proportion and porosity of an ingot simulated in ProCAST
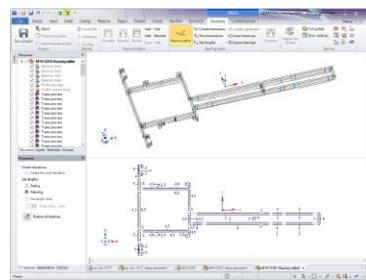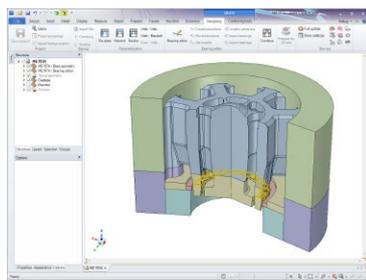
Distribution of temperature and density ratio fields of an ingot simulated in QForm

Simulation results from ProCAST program are imported into QForm V8 which allows forging simulations to be run based on the inherited characteristics of the casting simulation. It is possible to get joint virtual prototypes and sequences of casting and forging processes prior to product manufacturing. For simulation of heating and further forming of an ingot in QForm V8, finite element mesh is imported from ProCAST as well as temperature and porosity fields.

QForm-Extrusion Die Designer (QExDD)

QuantorForm Ltd. would like to introduce a new automated system for 3D extrusion die designing – QForm-Extrusion Die Designer (QExDD).

This system not only automates the 3D die design routine and significantly speeds up the process of new die equipment developing, but also has a direct interface with QForm-Extrusion simulation software that provides rapid analysis of the material flow in the designed dies and allows improvement the die design by means of virtual corrections before actual manufacturing. It also automates creation of 3D die models from existing 2D drawings. This system has been developed as OEM application powered by Ansys SpaceClaim.

Alcoa SMZ is now QForm V8 user

ZAO Alcoa SMZ (Alcoa Inc. enterprise in Russia), one of Russia's largest producers of fabricated aluminum, has become a user of QForm V8 industrial license. We are sure that metal forming processes simulation using QForm V8 program will help improve the quality of Alcoa products and decrease the time for technology development.

With kind permission of ZAO Alcoa SMZ

EVENTS

11 September 2015
16th ADA User Conference in Tokyo, Japan

1 October 2015
QuantorForm Ltd., ESI Group and PLM-Ural organize «Computing solutions for metal forming» forum in Moscow, Russia

14 – 15 October 2015
QForm days in São Paulo, Brazil. Organized by local distributor QX2Box. Special guest Dr. Ronald Lesley Plaut

21 – 22 October 2015
QForm V8 two workshops: Simulation on Demand opportunity. National Metalforming Centre in West Bromwich, UK

10 – 13 November 2015
Metal-Expo'2015, the 21st International Industrial Exhibition in Moscow, Russia. QuantorForm booth 2A15

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