QFORM NEWS

OCTOBER 2018

QForm at the 12th World Trade Fair & Conference «ALUMINIUM 2018» in Dusseldorf, Germany

We invite you to visit us at booth 12J35 in Hall 12 where we would be glad to answer all your questions about simulation of profile extrusion as well as any other kind of metal forming processes in QForm software. And if you're not acquainted with the QForm program yet, you may send us initial data for any of your processes and we will demonstrate simulation results of this process right at our booth at «ALUMINIUM 2018».

On 9-11 October 2018, at our booth 12J35, you may participate in interesting mini-seminars about simulation of aluminium profile extrusion. Particularly, problems of material properties prediction and aluminium profile extrusion process optimization will be discussed.

QForm Extrusion Seminar. Dubai. 21 October 2018

We are glad to invite everybody who is interested in metal profile extrusion simulation to participate in a special seminar called «Profile extrusion simulation. Effective solutions and latest developments» which will take place in Dubai, UAE on 21 October 2018.

Location: Hilton Garden Inn Al Mina, Al Mina Road, Port Rashid, PO BOX 50831, Dubai, UAE.

19th ADA User's Conference took place on 6 July in Tokyo, Japan

On 6 July 19th the ADA User's Conference 2018 took place in Tokyo, Japan. The event was organized by Applied Design Analysis Corporation (ADA), QForm representative in Japan. Our company has been invited to be one of the speakers at this important event for five years in a row. QForm Group was represented by Mr. Stanislav Kanevskiy with two reports about QForm software.

Mr. Stanislav Kanevskiy with his report about QForm software

In the first report some new features of the next QForm VX and Ring Rolling has been presented. Due to so many new features in the next version only a few of them have been presented such as brick elements with outstanding elements refinement algorithms, new developments focused on users from sheet metal forming industry, API and some more.

The second report was about new developments in QForm Extrusion and QExDD. In the next QForm Extrusion we release such features as symmetry boundary conditions, consideration of gravity effect on final profile tip shape, analysis of profile contact with tool, tool damage analysis, microstructure and heat treatment of extruded profiles as well as prediction of specific defects in aluminium profiles.

EVENTS

9-11 October 2018

QForm Extrusion Seminar. Düsseldorf

Seminar will be held at booth 12J35 during 12th World Trade Fair & Conference «ALUMINIUM 2018» in Germany

ALUMINIUM is the world's leading trade show and B2B-platform for the aluminium industry and its main applications.

21 October 2018

QForm Extrusion Seminar. Dubai. «Profile extrusion simulation. Effective solutions and latest developments»

13-16 November 2018

QForm at booth 1B78 at International Industrial Exhibition Metal-Expo'2018 in Russia

This year more than 500 companies from 35 world countries will exhibit at Metal-Expo'2018 while more than 30k professionals are expected to visit the event.

13-15 November 2018

QForm at EUROFORGE conFAIR 2018 in Germany

EUROFORGE conFAIR 2018 is designed specifically for the forging industry – gain new insights, contribute your experiences and share your thoughts with others within the forging world.

21-23 May 2019

Forge Fair 2019 organized by Forging Industry Association (FIA) in Ohio, USA

Forge Fair is North America's largest event dedicated exclusively to the forging industry.

27-31 May 2019

The 20th International Exhibition «Metalloobrabotka 2019» in Russia

Metalloobrabotka is a major international show for the machine tool and metalworking industry with over 30 years of success

32nd Forging Industry Technical Conference took place on 11-12 September in California, USA

FORGING TechCon

This Technical Conference is opportunity for industry, academic, customer and research community to hear, see and learn about advances in forging technology, applications in use, developments underway and research for the future.

QForm team: Tom Ellinghausen (Forge Technology, Inc.) and Paul Mordvintsev (QForm Group)

One of the most important roles in the academic field and new industrial processes developments has been the implementation of simulation software. Material behavior modeling, energy saving technologies, laboratory testing, evaluation of intensive quenching hardening - all these processes require a good simulation tool for deep result analysis.

Many of the Technical Conference Presentations show how is possible for professionals to use metal forming simulation software like QForm in their practice.

The next important function of such an event is a place to meet QForm users and interested specialists to support them and provide them actual information about the current stage of development, updated versions of QForm software and answer all questions.

17th International Conference on Metal Forming took place on 16-19 September in Japan

Metal Forming 2018, 17th International Conference on Metal Forming took place on 16-19 September in Toyohashi, Japan. Dr. Sergey Stebunov has presented article «Prediction of the fracture in cold forging with modified Cockcroft-Latham criterion». This report is the result of the mutual study of QuantorForm Ltd. and Bauman Moscow State Technical University, authors: Sergey Stebunov, Andrey Vlasov and Nikolai Biba.

270 papers were submitted from 35 countries from authors representing universities, research institutes and industry. Nearly 60% of these papers were submitted from Japan, China, Korea and Taiwan.

During the conference participants visited QForm booth

A modified Cockcroft-Latham criterion is now available in QForm as a subroutine that shows very good accuracy in tests for different practical cold forming processes. The use of reliable fracture criteria implemented in QForm metal forming software can help predict possible cracks and find ways to avoid them.

QForm Seminar. Moscow
27 September 2018
«Simulation of microstructure evolution and heat treatment in QForm»

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