

Dear Partners!

In this newsletter you can find information about latest development of our program QForm and about our participation in recent events in the field of advanced metal forming technologies and numerical simulation methods.

1. Seminars in India.

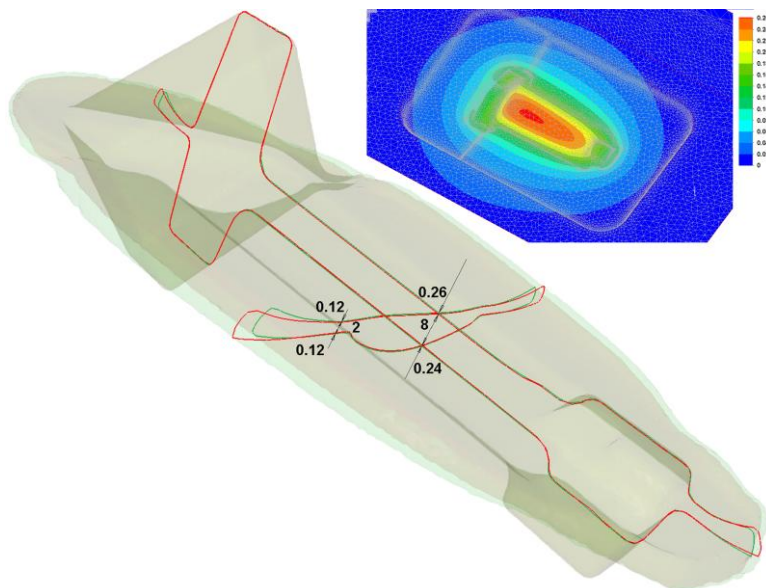
During the period from 23rd August to 1st of September, 2011 QuantorForm Ltd. jointly with its Indian partner Digital Design Solutions held seminars «QFormTest-Drive» in three Indian cities (Chennai, Pune, Delhi). Within these seminars there was training arranged for 21 company specialists. All of them highly appreciated the user-friendliness and effectiveness of the software and many of them are going to purchase the license

Information about Digital Design Solutions is presented at the company web site: www.ddsplm.com.

2. QuantorForm Ltd. participation in 10th International Conference on Technology of Plasticity (ICTP 2011), 25-30th of September 2011.

QuantorForm Ltd. jointly with its German partner GMT-Berlin took part in 10th International Conference on Technology of Plasticity (ICTP2011). This conference became the biggest event dedicated to the technology of plasticity and metal forming having been organized on behalf of the German Metal Forming Association (AGU).

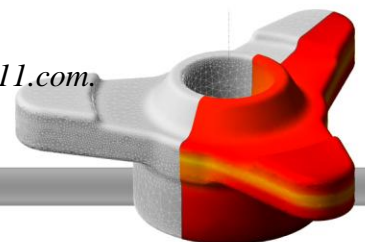
Within conference our senior scientist, Doctor of Engendering Alexey Vlasov presented a paper “Thermally and Mechanically Coupled Simulation of Metal Forming Processes” where he described algorithms and methods implemented in our new program QForm 7.



Example from Dr. Vlasov's paper:

Simulation of blade forging by QForm 7 showing comparison of coupled and non-coupled simulation. Green contour shows the blade crosscut section as a result of coupled simulation. Red contour is the simulation using rigid dies. The difference in the profile thickness prediction is about 6%.

Information about conference is presented at the web-site <http://www.ictp2011.com>.



3. QuantorForm Ltd. participation in the International Conference on Extrusion and Benchmark (ICEB2011) in Bologna (Italy), 3-5 of October 2011.

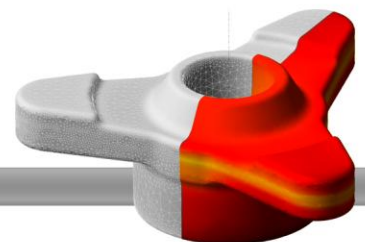
For the second time QuantorForm Ltd. has become a sponsor of International Conference on Extrusion and Benchmark, a largest event in the world in modern technologies in extrusion field. More than 150 participants from 27 countries took part in the event, mostly from Europe, America and Asia.

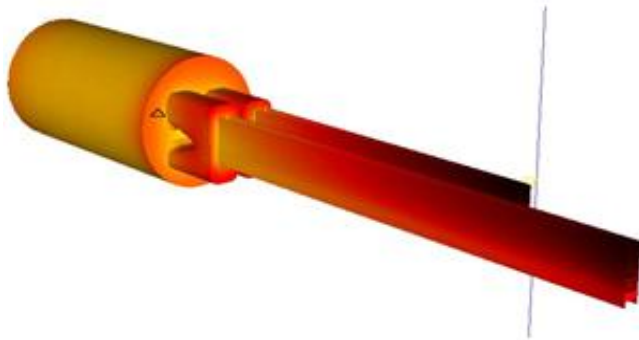


QuantorForm Ltd. General Director Sergey Stebunov and Director of International Projects Nikolay Biba at ICEB2011

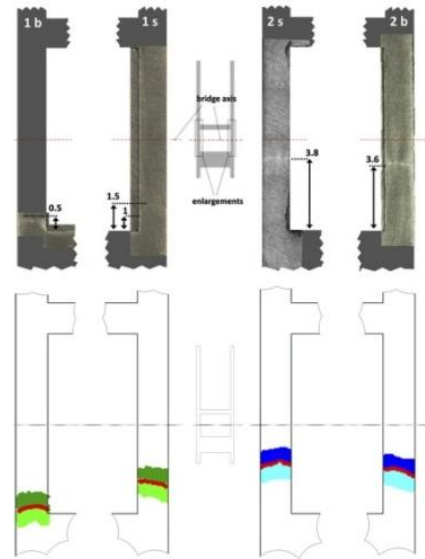
The ICEB conference is a two-in-one event, merging a conference on the “Latest advances in the extrusion of light alloys” and independent international Benchmark Test of finite element codes dedicated to extrusion simulation.

In a test simulation special attention has been paid to prediction of the profiles shapes, the load, temperature of the profile as well as deflection of the dies. For the first time special attention has been paid to the simulation of the transverse and longitudinal welding seams. Our program QForm-Extrusion has shown very good results for the most of parameters. In the pictures below you can see some of the results simulated by our software and the data obtained experimentally by the test organizers.

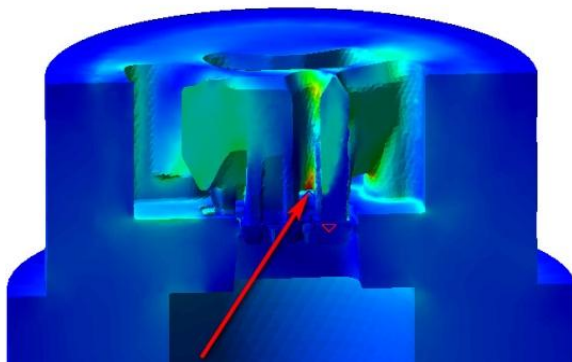




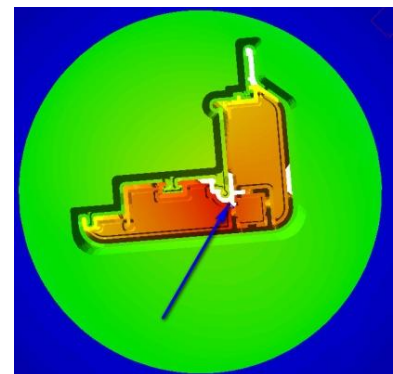
Correlation of profiles lengths in dual profile extrusion. QForm Simulation L1/L2=1.51, Experiment L1/L2=1.4



Comparison of simulated and experimental locations of weld seams for both profiles. Experimental data by Alessandro Selvaggio, Antonio Segatori, Ahmet Guzel, Lorenzo Donati, Luca Tomesani, A. Erman Tekkaya, Extrusion Benchmark 2011

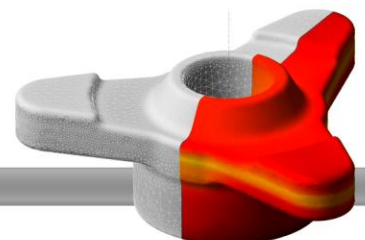


Place of maximum equivalent stress obtained by simulation in QForm-Extrusion. The value is 1479 MPa



Place of maximum elastic displacement if the tool predicted by QForm-Extrusion. The value is 0.834 mm

On October 5th 2011 within the section «Technical courses» QuantorForm Ltd. successfully carried out a user's seminar on «QForm-Extrusion». Participants had an opportunity to enhance their qualification. During this seminar Dr. Sergey Stebunov and Dr. Nikolay Biba presented new facilities of QForm-Extrusion and simulated the examples proposed by the participants. The participant were amazed by user-friendliness and effectiveness of the program that was so evident when simulating their own cases in their presence.





QForm-Extrusion presentation for one of the conference participant Mr. Sadik Mutlu Ayan, Turkey

Sergey Stebunov said that "Such events are very important because they help us to introduce our latest development to many potential customers and get immediate feedback from them".

Information about ICEB 2011 is presented at the link <http://www.ice-b.net>

4. QuantorForm Ltd. participation in 10th Technical Seminar "Innovation mission for Future Technology" in Moscow (Russia) on 13th of October, 2011.

Interall Srl company jointly with Italtelco Srl, AtieUnoInformatica, Movin, Imel, Airprotech, Tecam and Extrusion Consulting arranged a seminar in the field of anodizing, powder painting, extrusion technology and wastewater treatment in aluminium plants.

QuantorForm Ltd. took part in the seminar with its stand and presented modern simulation capabilities in QForm-Extrusion. Particular interest was expressed by the visitors to capability of weld seam locations prediction and optimisation. Specialists in this field highly appreciated this new facility implemented in the program because it is very important to know exactly where the seam weld will appear in the finish product to avoid their occurrence in critically loaded places or at front faces in case of architectural decorative profiles.

Information about seminar is presented at the link <http://exco.su>

