



LEISTRITZ EXTRUSIONSTECHNIK GMBH



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Leistriz' Compounding-Workshop provides „a wider view on the market“

Enormous response to the event – Participants benefitted from a very good combination of theory and practical demonstrations

„Producing to the optimum“ – with this slogan Leistriz Extrusion Technology opened up its gates for the international compounding workshop in Nuremberg on November 4th/5th, 2008. Almost 200 interested participants from 23 countries took the opportunity to catch up on topics like glass fibre compounds, highly filled compounds and colour masterbatches „To be honest, we did not expect such an overwhelming number of participants“, says managing director Günther Rduch. „All the more were we thrilled to see that despite the current market situation the interest in new technologies is still high.“

Expert Speakers

Not only did the event, which successfully has been taking place for several years, offer top-class expert lectures from Hans Jürgen Eichler (Omya GmbH), Dr. Philippe Boissonnat (OCV), Gabriela Seefeldt (BASF), Prof. Dr. Gerd Wehnert (University of applied Sciences Nürnberg) and Klaus G. Kohlhepp (Top Right Marketing Services). The participants also had the opportunity to see live demonstrations on the ZSE MAXX extruders in the Leistriz lab, where the processes which were discussed in the theoretical sessions were shown.

Persuasive Machine Demonstrations

The incorporation of effect pigments into a polymer matrix was demonstrated on a ZSE 27 MAXX extruder. The initial line set-up was premix, afterwards split feed. On a ZSE 40 MAXX the production of a compound with up to 87% CaCO₃

into a PP matrix was shown. Another demonstration was about incorporating 2,5% CB in a highly viscous HDPE with increasing degree of utilisation. The torque limitation of the formulation was tackled by a high torque density of up to 15,0 Nm/cm³. „We showed a prime example by incorporating 40 per cent of glass fiber into polycarbonate“, states Günther Rduch. „The throughput we had on our ZSE 40 MAXX extruder was 570 kilograms per hour. A value that has never been obtained by another extruder of this size.“

Such a result is made possible by the innovative ZSE MAXX technology. With a higher free screw volume (OD/ID = 1.66) and with the highest specific torque of up to 15 Nm/cm³ the extruders facilitate maximum throughputs. This also counts for highly viscous masses like the glass fiber formulation.

Market Requirement and Development

The second day was completed by giving an inside view of the compounding market and an interesting discussion round. Günther Rduch: „We wanted to provide a wider view on the market. Therefore, besides experts like Andy Beevers, AML, and Klaus Kohlhepp, Top Right Marketing Services, we also invited processors such as representatives from Geobra Brandstätter GmbH/Playmobil and Horst Scholz GmbH. After the discussion one thing became clear: In order to be successful in the market, you have to work on new technologies. With the ZSE MAXX extruders we offer individually produced machines which facilitate not only process advantages, but also economic advantages, more precisely energy saving.“ In the next workshop, which will be held at the same time in 2009, Leistriz will focus on masterbatch.



The demonstrations in the Leistriz lab were the highlight of the workshop.



Brisk interest: With almost 200 participants from 23 countries the workshop was a huge success.