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Highlight



Feedback following POLYBRIGHT's K2013 trade fair presentation

The last month of the EU-funded POLYBRIGHT research project was devoted to present major results during world's most important K2013 International Trade Fair for Plastics and Rubber on 16.-23.10.2013 in Düsseldorf/Germany. Two fiber laser welding prototype machines, a high-speed galvo scanner and several laser welded white-white components were showcased to a mostly technical-oriented audience.

The 2013 K fair edition registered 3200 exhibitors from 56 countries and 218.000 visitors from 140 countries. POLYBRIGHT's booth 7C03 with 20 m² exhibition area was grouped within the so-called "Science Campus" of K2013, an arrangement of research-oriented companies and institutions in hall 7. Main POLYBRIGHT exhibits were:

- Dynamic Mask welding prototype machine, based on Liquid-Crystal-on-Silicon LCoS reflector and a polarized 1060 nm, 70 W fiber laser (Leister)
- Quasi-simultaneous welding prototype machine (Cencorp)
- 3D galvo-scanner for 1567 nm fiber laser (Arges)
- Diode lasers with internal M-shaping (LIMO)
- Several rollup banners presenting scientific results like welding process simulation etc.



Figure 1: Two photos of POLYBRIGHT booth 7C03 during K2013 International trade fair 16.-23.10.2013 in Düsseldorf

By the end of K2013, 25 contacts were registered, mainly from European (10) and Asian (9) ventures. Many inquiries concentrate on laser welding transparent-transparent and white-white polymer combinations, as well as adapted absorbers and corresponding welding machines.

Regarding innovation, Leister's Dynamic Mask LCoS prototype was a highlight among the laser welding machines.

The next K fair is planned 19.-26.10.2016, Düsseldorf.



Contacts at Fraunhofer ILT (POLYBRIGHT coordinator)

Dr. Alexander Olowinsky
Fraunhofer Institute for Laser Technology ILT
Steinbachstrasse 15
52074 Aachen, Germany
Phone +49 241 8906-491
alexander.olowinsky@ilt.fraunhofer.de

