

Hello,

We kindly invite you to our next **public workshop** organized in the frame of the international trade fair [Laser World of Photonics](#):

► [Laser Polymer Welding – Recent Results and Future Prospects for Industrial Applications in a European Research Project](#)

Date: May 14, 2013, 09:10h - 13:00h

Location : Munich, Germany

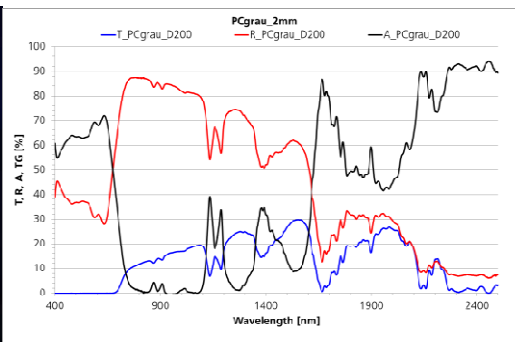
[Registration and programme](#)

As the [PolyBright](#) project now enters in its last phase, several new results are available on the project website:

► [New public Polybright results & highlights](#)

Selection of a White Goods application for polymer welding with high-brilliance laser beam sources

Subsequently to PolyBright's basic workpackages like "Lasers", "Beam shaping&scanning", "Welding processes", "Machines", "Materials", workpackage 8 deals with demonstrating laser welding of commercial components from several industries like Automotive and White Good. Within WP6, several polymeric colors and absorber additives have been tested for laser welding. IPG's fiber laser with 1567 nm is suited to weld white-white and grey-grey combinations together with Treffert's infrared absorbers and pigments.



Left: Door handle (PC, grey, containing infrared absorbers) and corresponding cover (ABS, grey, 2mm thickness) representing a PolyBright laser welding application. Designated laser source: 1567nm/120W Erbium fiber laser.

Right: Optical properties (transmission, reflection, absorption) of cover part.

Feel free to forward this information to any of your colleagues who might be interested. Thanks!
If you have any questions you can contact us on: polybright-info@eurtd.com