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European R2R network offers workshop on climate-friendly roll-to-roll production technologies

In order to achieve the urgently needed climate neutrality in industry and the society as quickly as possible, energy requirements must be reduced and resources used more efficiently than before. Many industrial manufacturing processes will have to change significantly to achieve this. In the "R2R NET" network, 20 European partners from industry and research are further developing roll-to-roll systems and processes for their rapid use in production. On September 21, 2022, the partners will present current developments, success stories and the latest generation of production equipment at a workshop. Interested companies and research institutions can register now.

With the workshop "Roll-to-Roll Technologies - Get ready for future challenges", the network partners will offer a comprehensive overview of the state of the art and latest developments in R2R processes on September 21, 2022:

Right at the beginning of the event, participants will gain an overview of different R2R technologies and learn how they can help them meet future challenges in surface technology. Presentations by industry partners will not only show visions, but also their answers to future requirements as well as first success stories. Participants can then discuss some topics in more detail in three thematically delimited workshops: 1) Reducing greenhouse gas emissions, 2) Improving resource efficiency, 3) Towards green chemistry. Finally, the organizers will also address funding opportunities for further research and development on these topics at the European level.

The hybrid event will take place at the Fraunhofer Conference Center in Potsdam and online with the support of UPTransfer. Participants on-site in Potsdam will get the additional opportunity to tour the facilities of the Fraunhofer Institute for Applied Polymer Research IAP and meet employees of R2R-Net member companies and institutions.

Interested companies can register for the event now on the network's website: www.r2r-net.eu.

R2R-Net: Network with bundled expertise for surface coating and modification

Roll-to-roll (R2R) processes can be used to coat or modify flexible materials such as polymer films, membranes, textiles, ultra-thin glass or metal strips. Their surface properties determine the function of a wide range of products. To make industrial production processes even more efficient, the partners in the European "R2R-Net" network are developing roll-to-roll technologies that can be used to modify the surfaces of flexible materials during the continuous manufacturing process. The substrate materials and areas of application vary considerably. On the industrial side, mainly equipment and tool manufacturers, technology users and manufacturing companies participate. Research institutes contribute to technology development and bring in their machines for developments and pilot productions. By connecting the expertise of these different players, the network is creating new opportunities for both cost-efficient and climate-friendly production of surfaces for a wide range of products.