



EUROFINISH+MATERIALS trade exhibition reveals each of the steps towards a high-quality end product

One month to go before the opening of EUROFINISH+MATERIALS 2019 at the Brabant in Louvain (BE) and already 120 exhibitors have signed up to be present at 15/16 May. But EF+MAT is more than just an exhibition hall with some stands where selected organizations can sign present. The added value is in the combination of innovative demos, a comprehensive conference program, slide show events, a science plaza, networking opportunities such as the international Meet & Match, the 'Ask-a-Pro' formula and of course the congenial and inspiring atmosphere of a two-day event in the innovative research and high-tech region of Louvain.

Event organisers Veerle Fincken (VOM) and Timo van Leent (Mikrocentrum) are unanimous: *“Jointly organizing our two trade shows was the right choice. We experience a lot of enthusiasm amongst the exhibitors thanks to the multiple opportunities they get for organizing demos and presentations. Many of them are joining together to do so, which is an additional benefit to the visitors. We’re still one month before the exhibition opens its doors and visitor registrations are steadily flowing in already”*

Background: Why merging these two trade shows?

Each day at the television we can watch one or the other cooking program, each of them following the same scenario: The expert chefs are making superb courses step by step using the best possible ingredients. These are carefully selected and displayed up front. After that each of the chefs show their passion for cooking and demonstrate their expertise by preparing a tasteful dish, perfectly concocted. At the end of the program you’ll always see the final creation the way it is supposed to be presented, i.e. professionally laid out and touched up with the necessary spices and visual adornments. Each gourmet appreciates and enjoys that scenario and watches every cooking program from the beginning till the end. No program director will be stupid enough to eliminate the last part and just show the action of cooking - or even worse, only show the final touch up and presentation but skip the selection of ingredients and the cooking stages.

By merging the former EUROFINISH and MATERIALS trade shows our new EF+MAT event now shows – like in every cooking program - all the stages that are necessary for a successful product. From selection of materials to the manufacturing and the ultimate finishing which quality control in each process step and all players present.

Veerle Fincken: *“For the first time in Benelux we’ll organize a trade show that covers every step in the value chain. From design, materials selection, analysis and bonding of the various materials till the ultimate surface finishing. We even go beyond that. At EUROFINISH+MATERIALS 2019 we not only restrict ourselves to the solutions as we know them today but we also cover tomorrow’s innovations. In our comprehensive conference program and at the demo platforms you will experience how developments in this trade discipline are constantly on the move, even literally speaking”*

Demos and innovation

Obviously exhibitors will come out with highest proficiency at their individual stands. At the exhibition floor we’ve also foreseen the demo platforms where exhibitors, alone or in cooperation with others, will perform live demonstrations. Veerle Fincken: *“These live demos show every step in the production chain. Our*



intention is that various techniques and underlying knowhow will be shown across cluster demos at several exhibitor locations inside the hall. By doing so the visitor will not find segmented stories but concrete answers to existing questions and practice situations.”

A few examples of demos and innovations

- **Demo cluster 1: UV inkjet technology – 3D printing**

Rapid curing UV inks are used to build 3D objects layer by layer. Using several different inks not only allows colour variations but also various functionalities to be incorporated in one and the same object. As to the latter, think of physical (e.g. hydrophilic/hydrophobic) or mechanical (e.g. tensile strength) functionalities. EXHIBITORS CHEMSTREAM, HARTECH

- **Demo cluster 2: Electrochemical polishing of stainless steel**

The electroplating process in reverse: Anodic process that selectively removes 30 – 40 microns to achieve Ra values of typically 0.8 (food and beverage industry) to 0.5 (pharmaceutical industry). Smoothness of the surface prevents deposition of soil that may be the source of corrosion or bacterial contamination. EXHIBITORS CHIMIDEROUIL, PACKO, TECHNOCHIM, ANALIS, KONICA-MINOLTA, TQC SHEEN

- **Demo cluster 3: Outgassing**

Outgassing is important when e.g. powder coatings are applied on hot dip galvanised steel. It occurs at 200°C in the baking oven and is the main cause of pinholes! Fortunately solutions do exist. EXPOSANT HATWEE

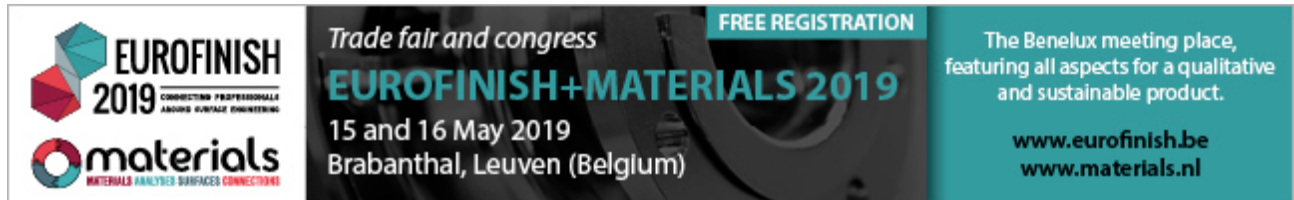
- **Demo cluster 5: Instant analysis of pre-treatment processing chemistry**

#Lab-on-Chip (LOC) technology from Medimate spins off to the surface industry for the analysis and quality control of pre-treatment chemistry prior to powder coating. Many job coaters using dip treatment installations rely on specialised service providers to monitor the amount of metal ions carried over into the last tank where the conversion layer is formed. One critical example is the analysis of aluminium ions in the conversion tank prior to powder coating on aluminium substrate. Rather than taking chemistry samples back to the lab for analysis, Medimate’s LOC minilab can now be used to provide instant analysis results on site. EXHIBITORS MAVOM, ALMAPLAST, SMOLDERS SSO, ROMARCO

- **Demo cluster 8: Importance of blasting in metal/concrete alliances**

Steel construction elements anchored in concrete. Important detail often neglected: descaling of the steel that is embedded in the concrete. EXHIBITORS SMOLDERS SSO, RÖSLER, MAGISTOR, TQC SHEEN, KONICA-MINOLTA

- AD CHEMICALS BV: Chrome(VI)-free pre-treatment
- OXYPLAST BELGIUM NV: Protech-Oxyplast proven powder coating ‘ANTISLIP’: safety and security guarantee




- HELMUT FISCHER MEETTECHNIEK BV: MMS® INSPECTION, FISCHER's new product line for corrosion applications
- MVT: Largest Ni-bath in the Benelux
- KONICA MINOLTA SENSING EUROPE: Rhopoint TAMST™ (Total Appearance Measurement System)
- KLUTHE BENELUX BV: Low-temperature Zinc-phosphate DecorrDAL LT-series; energy- and costs saving.
- CHEMSTREAM: live demo 3D Inkjet printer
- HARTECH: live demo materials testing of 3D-printed objects

Conference program and side events

Each day new presentations are added to the conference program. An up-to-date status can be viewed on www.eurofinish.be and www.materials.nl

Here are some of the presentations planned: (actual status at the website)

- Testing of 3D-printed components - Benjamin Denayer, SIRRIS
- Materials development for a sustainable energy transition - Ing. E.W. Schuring - IWE, Principal Research Assistant-Materials Technology, ECN part of TNO
- Optimising gas and liquid flows with computational fluid dynamics – Els Nagels, InsPyro
- PreCoat, a different look at surface preparation prior to coating – Roland van Meer, Ad Chemicals
- Tailored analytical services via hyphenated techniques for innovative materials and coatings – Wouter Marchal, UHasselt-IMO-IMOMECE
- Gluing and surface treatment: a marriage of reason - Ing. Jan Lambrechts MSc., Business Manager, LCS Adhesive Bonding
- Aging tests on glued alliances - Drs. Ing. Steven Fevery, Doctoral Researcher, KU Leuven Campus Bruges.
- Adhesion of UV-Curable Inks and Coatings - Marin Steenackers, Project Manager, ChemStream.
- Surface treatment with atmospheric plasma technology - Dr. Ralf Greger, Technological Consultant, PlaToS Consulting
- Sustainable polymers: a myriad of circular opportunities! – Jan Willem Slijkoord, Sustainable Polymer Innovation Cluster
- Post process, where to start! - Ton Vandersteen, Manager R&D, Rösler
- Overview on energy efficiency in painting technology – Oliver Tiedje, Fraunhofer IPA
- Development of 18Ni maraging steel to optimize the very high cycle fatigue properties - Bert Pennings MSc PDEng, Research Engineer Materials Science, Bosch Transmission Technology BV
- Digital 3D measuring microscopy - Vincent Sonnevill, Senior Sales Engineer, Keyence International Belgium
- Measuring chemical Nickel coatings, how do you do that? - Johan Nieuwlands, General Manager, Helmut Fischer Meettechniek BV



The banner features the logos for EUROFINISH 2019 (with the tagline 'CONNECTING PROFESSIONALS AROUND FINISH ENGINEERING') and materials (with the tagline 'MATERIALS FINISHED SURFACES CONNECTIONS'). The text reads: 'Trade fair and congress', 'EUROFINISH+MATERIALS 2019', '15 and 16 May 2019', 'Brabant, Leuven (Belgium)', and 'FREE REGISTRATION'. On the right, it states: 'The Benelux meeting place, featuring all aspects for a qualitative and sustainable product.' and provides the websites 'www.eurofinish.be' and 'www.materials.nl'.

- Elemental analysis of Metals - XRF or spark OES? - Laurens Van Ginderdeuren, Sales Engineer, Sysmex
- Unique Force & Torque Measurement Testers Can Save Time and Money - Allan Benson, Global Business Development Manager, Mark-10 Corporation
- Coatings Technology for Fiber Reinforced Polymer Materials - Dr. Walter Lauwerens, Project Manager Smart Coatings, Sirris

The trade show organization also allows institutions to plan side events if so desired. An example is ATIPIIC, the Belgian association of paint and paint-related industry technicians organizes their “[technische namiddag over Metal Protection](#)” in the afternoon of Wed. May 15.

International Meet & Match

Enterprise Europe Network along with EUROFINISH+MATERIALS are organizing a Meet & Match session. In the course of a 30 minutes speed date, the participants will meet new contacts and have the opportunity of extending their network. Use the unique [Meet&Match-website](#) to apply and register.

Science Plaza

On the exhibition floor a 40 SQM area has been reserved for knowledge centres, educational institutions, start-ups and teams of students. They will show products, projects and research programs related to materials and coatings.

Practical info on EF+MAT2019

Location: Brabant, Brabantlaan 1, 3001 Louvain, Belgium

Date opening hours: 15 - 16 mei 2019, from 10 am till 6 pm.

Free admission after registration at www.eurofinish.be of www.materials.nl

Organisation [VOM](#) en [Mikrocentrum](#)