



NETWORK Modular Technology

Workshop Modular Technology – Pigment Paste Production in Theory and Practice



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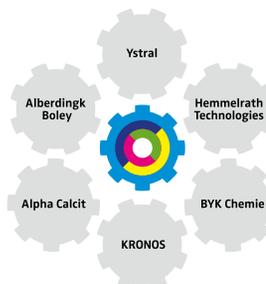
27 – 28 May 2014

Aschaffenburg | Klingenberg am Main | Germany

- 6 exclusive presentations by the partners of the NETWORK Modular Technology
- First time presentation of the new Micro-MOFA 300
- Practical demonstrations of the Mini-MOFA 5, Micro-MOFA 10 and Micro-MOFA 300
- A practical forum affords the opportunity for small-group discussions of the various aspects of modular production

www.european-coatings.com/MOFA

NETWORK Modular Technology



Media Partner

EC European Coatings
JOURNAL

Paint and Pigment Paste Production 2.0: More efficient, less expensive, more versatile



Photo: fotolia, Carmen Steiner

The modular paint factory (MOFA) provides paint, adhesives and pigment paste manufacturers with new ways of staying competitive in the long run. It is not just a new production technology, but also a unique philosophy:

The use of functional packages instead of raw materials to slash production times and energy costs.



NETWORKING DINNER
AT 7 P.M. ON 27 MAY 2014.
The day will conclude
in the festive Ridinger Room of
Johannisburg Castle with a
networking dinner for attendees,
guest speakers and the
network's managing directors.

Day 1 of the Modular Technology workshop features six presentations by the network partners, and a panel discussion by experts that will provide a detailed insight into the philosophy, theory, and economics of modular production.

Day 2 offers a guided tour and practical, small-group demonstrations of the Mini-MOFA 5, the Micro-MOFA 10 and the brand new Micro-MOFA 300 paint factory concepts on the premises of Hemmelrath Lackfabrik.

A parallel practical forum affords an opportunity for small-group discussions of the various aspects of modular production with representatives from the member companies of the MOFA NETWORK. Feel free to quiz the experts!



Photo: fotolia, wotanxx

THE WORKSHOP AT A GLANCE

TUESDAY, 27 MAY 2014 |

STADTHALLE AM SCHLOSS ASCHAFFENBURG | 10:00 – 17:15

10:00 – 10:05

Welcome Address

Dr Sonja Schulte, Editor-in-Chief, European Coatings JOURNAL

10:05 – 10:30

Philosophy of Modular Production – an Introduction

Ralf Hohmann, Director, Hemmelrath Technologies

10:30 – 11:00

Meet and Greet with the Managing Directors of the NETWORK Modular Technology

Dr Markus Hemmelrath, Owner, Hemmelrath Lackfabrik
Gerd Judith, Managing Director, Byk-Chemie
Dieter Münchow, Managing Director, Alpha Calcit Füllstoffe
Peter Manke, Managing Director, Ystral
Klemens Schlüter, Managing Director, Kronos International
Timm Wiegmann, Managing Director, Alberdingk Boley

11:00 – 11:30 Coffee Break

11:30 – 12:10

The Future of Pigment Pastes in the “MOFA” Era

Ralf Hohmann, Hemmelrath Technologies

12:10 – 12:50

Titanium Dioxide Performance Packages as a Booster for the MOFA Technology

Herr Schlüter/Jürgen Bender, Kronos International

12:50 – 14:00 Lunch Break

14:00 – 14:40

Powermediates

Dieter Münchow, Alpha Calcit Füllstoffe

14:40 – 15:10

Pigmented joinery top-coats based on modular, binder containing semi finished goods

Gregor Aptiz, Alberdingk Boley und Carsten Nagel, Byk-Chemie

15:10 – 15:50

Cost estimates – a practical approach

Torsten Christensen, Byk-Chemie

15:50 – 16:30 Coffee Break

16:30 – 17:15

Panel discussion with industry experts

Alexander Böhrer, Managing Director, Schulz Farben und Lackfabrik
Dr Markus Boos, Technical Manager R+D, Remmers
Dr Hans-Henning Stender, Head of Global Process Development & Global Engineering, Siegwirk Druckfarben
Dr Markus Hemmelrath, Owner, Hemmelrath Lackfabrik
Ralf Hohmann, Director, Hemmelrath Technologies

19:00 Networking Dinner at Johannesburg Castle

WEDNESDAY, 28 MAY 2014 |

HEMMELRATH LACKFABRIK, KLINGENBERG AM MAIN | 9:00 – 16:30

9:00 – 9:30

Welcome and Introduction

Ralf Hohmann, Director, Hemmelrath Technologies

9:30 – 16:30

Guided Tours of the Mini-MOFA 5, the Micro-MOFA 10 and the brand new Micro-MOFA 300

9:30 – 16:30

Practical Forums:

1. MOFA for beginners (Ystral)

This session illustrates how to implement the MOFA Technology within your Company.

The Modular Raw Material Concept and the hardware components of the MOFA Concept will be explained in detail. The MOFA Technology will provide you with the tools to develop and produce higher quality products – going along with reduced process costs and a maximum of flexibility.

In addition, you have the chance to discuss details and evaluate the possibilities for your specific application.

2. Powdermediates, Aquamediates und Co (Kronos International / Alpha Calcit Füllstoffe)

In order to get the highest benefit on efficiency and quality of paints Alpha Calcit offers optimized powder mixture of fillers and titanium dioxide pigments (“Powdermediates”) and Kronos tuned performance packages of fillers and titanium dioxide pigments (“Aquamediates”) in liquid form. This group will discuss the benefits of both performance packages (dry and aqueous) for the paint producer.

3. Modular raw material concept – scooping out new innovation potential (BYK-Chemie / Alberdingk Boley)

Currently coatings formulators are using a multitude of different raw materials to develop new formulations and new products using their experience and know-how. Due to the lack of the detailed knowledge about the chemical design of the raw materials used, it is more or less unlikely that coatings formulators make use of the full potential of raw materials. Major innovation steps of suppliers of polymer dispersions like “core-shell” multiphase latexes or self crosslinking chemistry during film formation for instance, have been introduced more than 2 decades ago. During the last decade however, no such major innovation steps could be observed.

Due to general regulations in chemical industry the appearance of new raw materials leading to major performance increases or innovative product properties is becoming more and more unlikely. This situation reduces the probability of major innovation steps too.

In this context the group will discuss the following questions:

What are sources for successful major product and performance innovations in the future?
How is modular manufacturing technology affecting future product and performance innovation?

Waiting for major innovations from raw materials industry or breaking new ground by shared development using the expertise of the “Modular NETWORK”

12:30 – 14:00 Lunch Break

Exclusive Lunch Talk “Paint – a lifestyle product” by Anna von Mangoldt

Four years ago Anna von Mangoldt launched her very first paint collection under her own name and a colourful logo. Back then, in 2010, she was acting out of a passion for paint and stylish decor but had little idea that her 156 colour strong collection of a very matt paint was about to coincide with a small revolution in interior design: painting walls and furniture is no longer a question of white or beige in Germany, it's a question of lifestyle. Anna von Mangoldt knows how to convince others that colour is not just a necessity but a possibility to make your home truly your own. This is how colours such as „Scampolo“ or „Anna's Blue“ became bestsellers. Based on her experience she will talk about how paint can become a lifestyle product and how she positions herself on the German market.

www.annavonmangoldt.com



ANNA VON MANGOLDT
Farben & Gestaltung

For detailed information please visit: www.european-coatings.com/MOFA

The benefits of modular technology

The MOFA Modular Technology NETWORK was set up by Alberdingk Boley, Alpha Calcit Füllstoffe, Byk-Chemie, Hemmelrath Technologies, Kronos International and Ystral. Its heterogeneous composition opens up untold opportunities and synergies that have the potential to provide the market with innovative products and services over the long term on the basis of a shared platform.

Dieter Münchow, Managing Director of Alpha Calcit Füllstoffe, firmly believes in the pioneering nature of the network's modular production concept: "Many aspects of the modular concept are fully congruent with our own strategy – from sustainability to on-site solutions – and are a great fit for our know-how and patents. The network offers us the advantage not only of pioneering the technology, but also of being a founding member."

The competitive advantages of the modular technology over conventional dissolver technology are backed up by impressive numbers:

- › Production times slashed by as much as 80 %
- › Energy costs slashed by as much as 70 %
- › Labour costs slashed by as much as 80 %
- › Greater capacity – up to 100 % more
- › Larger batch sizes – up to 100 % bigger
- › Constant production parameters (line quality)
- › Greater batch capacity – up to 50 % more – means lower test costs
- › No limits on product changes; line operated by a single employee
- › Fewer additives in the formulation due to greater efficiency – up to 25 % more efficient
- › Better dispersion thanks to the MOFA technology
- › No air entrainment in the production process
- › Fewer odour emissions
- › Increased hygiene and cleanliness

The MOFA modular paint factory offers benefits in the realms of economic production, product quality, industrial hygiene, industrial safety and design.

Application areas include:

- › Development module for new formulation variants
- › Production lines
- › Scale-up monitor for large-batch production
- › Indicator for determining production costs



Photo: Arichemie GmbH

GENERAL INFORMATION

Workshop Modular Technology – Pigment Paste Production in Theory and Practice 27 – 28 May 2014

WORKSHOP FEES: 2.000 EUR PLUS 19% VAT

Please note that the Workshop Modular Technology is limited to 100 attendees. After your registration has been received, we will inform you within two weeks of your registration status.

WORKSHOP REGISTRATION

Registrations for the Workshop can be made either by returning the completed registration form included in this program or online at www.european-coatings.com/MOFA

Fees include:

Participation in the 2-day workshop, lunch & coffee breaks, participation in the Networking Dinner on 27 May, list of attendees and proceedings.

VENUES

27 May 2014

Stadthalle am Schloss, Aschaffenburg

Schloßplatz 1, 63739 Aschaffenburg, Germany

www.info-aschaffenburg.de/stadthalle-am-schloss/

28 May 2014

Hemmelrath Lackfabrik

Jakob-Hemmelrath-Straße 1, 63911 Klingenberg am Main

www.hemmelrath.de

ACCOMMODATION

The Workshop Modular Technology will take place in Aschaffenburg and Klingenberg am Main. Our service partner, Aschaffenburg Tourism offers you a selection of hotels. Detailed information will be sent to delegates after registration.

Hotel accommodation is not included in the registration fee.

In cooperation with
NETWORK Modular Technology



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CANCELLATION CONDITIONS

Cancellation policies are the following: Fees will be refunded in full if notice of cancellation is received up to 4 weeks before the workshop. 50% of the fee will be refunded if cancellation is received later, but no later than two weeks before the workshop. Delegates who cancel less than two weeks before the workshop or fail to attend without notifying the organiser will be liable for the whole workshop fee. In all cases postmark shall apply. Substitutions of delegates may be made at any time. Cancellations and changes should be made in writing and will be confirmed by the organiser. Any fee refunded will be paid after the workshop. The organiser reserves the right to change the programme content or to cancel the event due to important reasons. Cancellation fees of third parties that may appear in this context will not be reimbursed.

PLEASE NOTE

Photographs and videos of delegates will be taken during the workshop and may be used for promotional purposes. Vincentz Network produces a list of delegates for each event which may include the following information: company name, address (street, zip code, city), name and job function of delegate. This list of delegates will be made available for all delegates, speakers and possible sponsors of the event, who may use them for promotional purposes. Objection against publication and circulation of this data may be made at any time until 3 weeks prior to the event and has to be made in writing to the organiser.

All information subject to change without further notice.

Vincentz Network | Kristin Roubinek

Plathnerstr. 4c | 30175 Hannover | Germany

Please fax to: +49 511 9910-279 or register online at

www.european-coatings.com/MOFA

ORGANISER

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