

FREUND EUROPEAN LAB

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2026

IN-PERSON TECHNICAL SEMINAR...

Focusing on Granulation & Coating Technologies

A comparison overview of the fundamental concepts and properties of fluid bed granulation and coating, high shear wet granulation, roll compaction dry granulation, tablet pan coating and spray drying will be presented and demonstrated.



 **FREUND**

OVERVIEW

FREUND

Since 1964, the FREUND Group has been a global leader driving innovation in powder and solid material processing. From pharmaceutical, nutraceuticals, food and beverage, industrial, and energy, our solutions power the world's leading products. We specialize in granulation, drying, coating, layering, instantizing, and more—with equipment ranging from coating pans and fluid beds to high shear granulators, roll compactors, spray dryers and powder handling.

WHY ATTEND?

In our workshop, participants will actively participate in a practical and theoretical introduction to solid material processing. A comparison overview of fluid bed granulation and coating, high shear wet granulation, roll compaction dry granulation, tablet pan coating and spray drying will be presented and demonstrated.



AGENDA

DAY ONE: TUESDAY

| LECTURES | | |
|--------------------------------------|---|---|
| 8:30 am - 8:45 am | Welcome | <i>Raffaella Colombo</i> |
| 8:45 am - 9:15 am | Technology Overview | <i>Giuseppe Buratti</i> |
| 9:15 am - 10:00 am | Fluid Bed: Top Spray Granulation | <i>Jonathan Scotti</i> |
| 10:00 am - 10:45 am | High Shear: Wet Granulation & Milling | <i>Jack Kenny</i> |
| 10:45 am - 11:00 am | Break | |
| 11:00 am - 11:45 am | Fluid Bed: GXR Rotor Processing | <i>Maren Treat</i> |
| 11:45 am - 12:30 pm | NIR PAT Applications for Process Monitoring | <i>Emiliano Genorini, Viavi Solutions</i> |
| 12:30 pm - 13:30 pm | Catered Lunch | |
| LABS | | |
| 13:30 pm - 17:15 pm (3 Rotations) | Top Spray Granulation | <i>Maren Treat</i> |
| | High Shear Wet Granulation | <i>Jack Kenny</i> |
| | GXR Rotor Granulation | <i>Giuseppe Buratti</i> |
| 17:15 pm | Wrap Up/Leave for Hotel | |
| 19:30 pm | Dinner at LaBergamina Restaurant | |

DAY TWO: WEDNESDAY

| LECTURES | | |
|--------------------------------------|--|---|
| 8:30 am - 9:00 am | Fluid Bed: Wurster (Bottom) Spray Coating | <i>Jonathan Scotti</i> |
| 9:00 am - 9:30 am | Tablet Pan Coating | <i>Maren Treat</i> |
| 9:30 am - 10:15 am | Basics of Film Coating Formulation | <i>Alberto Genovesi, Colorcon</i> |
| 10:15 am - 10:30 am | Break | |
| 10:30 am - 11:15 am | Excipients for Granulation | <i>Prof. Anna Scomparin, University of Torino</i> |
| 11:15 am - 12:00 pm | Spray Drying Technology | <i>Jack Kenny</i> |
| 12:00 pm - 13:00 pm | Catered Lunch | |
| LABS | | |
| 13:00 pm - 16:45 pm (3 Rotations) | Fluid Bed: GXR Rotor Powder Layering | <i>Giuseppe Buratti</i> |
| | Fluid Bed: Wurster Coating | <i>Jonathan Scotti</i> |
| | Pan Coating | <i>Maren Treat</i> |
| 16:45 pm | Wrap Up/Leave for Activity than Dinner to Follow | |

AGENDA

DAY THREE: THURSDAY

| LECTURES | | |
|--------------------------------------|---|-------------------------------|
| 8:15 am - 8:45 am | Roll Compaction: Dry Granulation | <i>Jonathan Scotti</i> |
| 8:45 am - 9:30 am | Basics of Compression with Rotary Tableting Machine | <i>Simone Berto, Bonapace</i> |
| 9:30 am - 10:30 am | Equipment and Process Troubleshooting | <i>Giuseppe Buratti</i> |
| 10:30 am - 10:45 am | Break | |
| LABS | | |
| 10:45 am - 13:30 pm (3 Rotations) | Roll Compaction | <i>Jonathan Scotti</i> |
| | Spray Drying | <i>Jack Kenny</i> |
| | Tableting | <i>Simone Berto, Bonapace</i> |
| 13:30 pm - 14:30 pm | Catered Lunch | |
| 14:30 pm | Seminar Complete | |



LIST OF PRESENTERS



Raffaella Colombo

International Sales Manager
raffaella.colombo@freundglobal.com

Raffaella's background is in the packaging equipment for the pharma industry and has been working in that industry for more than 10 years. She was with our sister company FRUEND S.r.l for six years before joining FREUND Inc. six years ago. She has a degree in Foreign Languages and Literatures by IULM University in Milan, and can speak six languages: English, Russian, French, German, Italian and very basic Modern Chinese. With over 35 years of sales experience, Raffaella enjoys talking with customers and figuring out the right solutions for their products.



Giuseppe Buratti

Deputy Branch Manager
giuseppe.buratti@freundglobal.com

Having graduated in industrial chemistry, Giuseppe took his first steps in the pharmaceutical industry as an analyst of formulations intended for clinical trials. He has been involved in formulation and development of oral solid forms for approximately 25 years as well as scaling up and technology transfer from laboratory to industrial scale. Since 2016, he has been working at the FREUND Inc. European Laboratory and is involved in the development of processes for customer support and equipment demonstration for the pharmaceutical, nutritional, chemical, and nuclear sectors. He contributed to company visibility by publishing posters and scientific articles.



Jonathan Scotti

Junior Process Development Scientist
jonathan.scotti@freundglobal.com

Jonathan Scotti achieved the master's degree in Pharmaceutical Chemistry and Technology in 2024. While completing his studies, he worked on a project in collaboration with the department of Pharmaceutical Technology of the University of Milan and FREUND Inc. involving the equipment of Fluid Bed Dryer and the techniques of Solution Coating and Powder layering. The experience he had during this period highlighted his interest in the field and at the end of 2024, he joined FREUND Inc. European Laboratory as Junior Process Development Scientist.



Maren Treat

Process Development Scientist
maren.treat@freundglobal.com

Maren graduated from Luther College in 2021 with a BA in Biology and Chemistry and completed a postgraduate program in Medical Laboratory Science at Allen College. Her contributions at FREUND include an accepted abstract at AAPS and participation in two patent filings. Maren is passionate about research and development and is dedicated to supporting customers through every stage of their projects, from feasibility testing to process optimization and scale-up.



Jack Kenny

Process Development Scientist
jack.kenny@freundglobal.com

Jack started at FREUND Inc. in June of 2024. He graduated from Iowa State University with a BS in chemical engineering. Since starting in the lab, he has worked on a multitude of processes. In the past year, Jack has worked with customers both in the lab and at process sites, collaborated on R&D projects, and helped troubleshoot customer processes.

LIST OF PRESENTERS



Simone Berto

General Manager

s.berto@dottbonapace.com

Simone Berto is the CEO of DOTT. BONAPACE & C. SRL, an Italian company specialized in the design and manufacturing of machinery for research laboratories (R&D), pharmaceutical, and nutraceutical industries.

DOTT. BONAPACE & C. SRL is an Italian company with over 79 years of experience in the design, production, and marketing of equipment for compounding pharmacies, R&D centers, and pharmaceutical industries. The company specializes in capsule fillers, tablet presses, suppository filling lines, and customized dosing systems, offering compact, versatile, and technologically advanced solutions for small to medium-scale production and development.



Emiliano Genorini

Account Manager, EMEA & LATAM - MicroNIR, Viavi

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Dr. Emiliano Genorini (*1973) has a degree in chemistry with a specialization in analytical chemistry of environmental pollutants. He has more than 20 years of experience in the field of NIR spectroscopy and extensive market knowledge in the pharmaceutical and food industries. After working for manufacturers of various top instrument brands, he has been responsible for the EMEA and LATAM regions for VIAVI Solutions as an account manager since 2015. Since 2003 he has been an honorary professor of chemometrics at the Universities of Milan and Pavia.



Alberto Genovesi

Senior Area Technical Manager, Colorcon

agenovesi@colorcon.com

Alberto Genovesi obtained the degree in Pharmaceutical Chemistry and Pharmaceutical Technology at the University of Bologna. Since 2005 he works as Senior Technical Manager for Colorcon. On his role, he has a technical responsibility of Italy, Greece, Malta, Cyprus, Israel and Italian speaking part of Switzerland. Prior to Colorcon, he worked in a Pharmaceutical Company as R&D process development Scientist and for a Manufacturing Equipment Supplier as R&D Manager specialised on Film Coating and Granulation Technology supporting Customers with in-house and on the field trials.



Anna Scomparin

Associate Professor, University of Torino

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Anna Scomparin holds a M.Sc. degree in Pharmaceutical Chemistry and Technology (2006) and a Ph.D. in Molecular Sciences (2010) from the University of Padova. Since 2021 she is an Associate Professor in Pharmaceutical Technology at the Department of Drug Science and Technology at the University of Torino. Anna's research focuses on the development of polymer-based nanomedicines, including polymer therapeutics, polyplexes, and nanoparticles for cancer vaccination. Furthermore, Anna is working on the development of polysaccharide-based granules and orodispersible dosage forms for paediatric formulations.

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STAY CONNECTED

We are always here for you to answer questions or talk solutions for current or upcoming projects!

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FREUND Inc. Granulation & Coating Technology Seminar

3-5 November, 2026 | Villasanta (MB) Italy

REGISTRATION FORM *(editable PDF)*

Name: _____

Job Title: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Bus.Tel: _____

Email: _____

SEMINAR FEE: €950.00

Dietary Restrictions: Y N

If Yes, Please Explain: _____

Bank Wire (Payable to FREUND Inc.)

Credit Card

VISA Master Card American Express Security Code: _____

Card # _____ Exp. Date: _____ (mm/yy)

Cardholder's Name: (Please Print) _____

Signature: _____ Zip Code: _____

Return Registration Form:
email: matt.winkler@freundglobal.com

