

FREUND EUROPEAN LAB

VIA ENRICO MATTEI, 2,
20852 VILLASANTA MB, ITALY

+39-039-2050331



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>Jordan Teska</i>
10:00 am - 10:45 am	High Shear: Wet Granulation & Milling	<i>Mitch Crawford</i>
10:45 am - 11:00 am	Break	
11:00 am - 11:45 am	Fluid Bed: GXR Rotor Processing	<i>Jordan Teska</i>
11:45 am - 12:30 pm	NIR PAT Applications for Process Monitoring	<i>Jonathan Scotti</i>
12:30 pm - 13:30 pm	Catered Lunch	
LABS		
13:30 pm - 17:15 pm (3 Rotations)	Top Spray Granulation	<i>Jonathan Scotti</i>
	High Shear Wet Granulation	<i>Mitch Crawford</i>
	GXR Rotor Granulation	<i>Jordan Teska</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	Pan Coating	<i>Jordan Teska</i>
9:30 am - 10:15 am	Importance of Powder Handling	<i>Matteo Miracolo</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>Mitch Crawford</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>Jordan Teska</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>Mitch Crawford</i>
8:45 am - 9:30 am	Basics of Compression with Rotary Tableting Machine	<i>Simone Berto, Bonapace</i>
LABS		
9:35 am - 10:30 am	Roll Compaction	<i>Giuseppe Buratti</i>
10:30 am - 10:40 am	Break	
10:40 am - 11:35 am	Spray Drying	<i>Mitch Crawford</i>
11:35 am - 12:30 pm	Tableting	<i>Simone Berto, Bonapace</i>
LECTURES		
12:30 pm - 13:30 pm	Equipment and Process Troubleshooting	<i>Giuseppe Buratti</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, FEL

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.



Mitch Crawford

Lab Manager, USA

mitch.crawford@freundglobal.com

Mitch has been with FREUND Inc. since 2012. He graduated from Iowa State University with a BS in Mechanical Engineering and started working for FREUND as a Technical Service Engineer. He joined the lab in 2018 and worked on many customer projects as well as R&D efforts, including four AAPS posters. In 2023 he became the laboratory manager.

LIST OF PRESENTERS



Matteo Miracolo

Commercial Director, FREUND Italy
mmiracolo@freundglobal.com

Matteo's background is in Oral Solid Dosage equipment for the pharma industry for more than 10 years. He began his career on field as commissioning manager and gradually moving into a sales role. He currently manages the sales department at FREUND s.r.l. Aware of the growing need for flexibility in pharmaceutical processes, he enjoys developing a tailor-made solution based on customers need.



Jordan Teska

Process Development Scientist
jordan.teska@freundglobal.com

Jordan has been with FREUND Inc. since June of 2023. He recently graduated from Iowa State University with a BS in chemical engineering and started working at FREUND Inc. directly after graduating as a process development scientist. He has learned a lot about the different processes and assisted with customers both in the lab and on the road at process sights to help develop and troubleshoot their processes.



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.



Anna Scomparin

Associate Professor, University of Torino
anna.scomparin@unito.it

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.

INTERNATIONAL SALES

**Ryan Crawford**

International Sales Manager

Office: +1 319-377-8263

Mobile: +1 319-538-1513

Email address: ryan.crawford@freundglobal.com

Territory: Canada, Central & South America

**Raffaella Colombo**

International Sales Manager

Office: +39 039 2050331

Mobile: +39 337 1566362

Email address: raffaella.colombo@freundglobal.com

Territory: EMEA

**Matteo Miracolo**

Commercial Director

Mobile: +39 331 7279099

Email address: mmiracolo@freundglobal.com

Territory: EMEA

**Daniele Savino Pontino**

Area Sales Manager

Mobile: +39 029 1566362

Email address: dpontino@freundglobal.com

Territory: Italy, Ticino and Graubünden cantons of Switzerland

**Eiji Tomita**

International Sales Manager

Office: +81 3 6890 0793

Mobile: +81 90 6873 6063

Email address: eiji.tomita@freundglobal.com

Territory: India, South Asia and Southeast Asia

USA SALES



Don Foltz

District Sales Manager, MidEast Region

Office: +1 319-377-8263

Mobile: +1 319-270-5161

Email address: don.foltz@freundglobal.com

Territory: AL, AR, AZ, CA, FL, GA, IL, IN, IA, KY, LA, MI, MN, MS, MO, SC, TN, WI



Ryan Rentschler

District Sales Manager, Eastern Region

Office: +1 319-377-8263

Mobile: +1 319-573-9561

Email address: ryan.rentschler@freundglobal.com

Territory: CT, DE, ME, MD, MA, NH, NJ, NY, OH, PA, RI, VT, VA, Washington DC



Garrett Alfred

District Sales Manager, Midwest Region

Office: +1 319-377-8263

Mobile: +1 605-261-0303

Email address: garrett.alfred@freundglobal.com

Territory: AK, CO, HI, ID, KS, MT, NE, NV, NM, NC, ND, OK, OR, SD, TX, UT, WA, WV, WY

STAY CONNECTED

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

FREUND Inc.
Marion, IA USA
Tel: +1-319-377-8263

FREUND S.r.l.
Paderno Dugnano MI, Italy
Tel: +39-029-1080107

EUROPEAN LABORATORY
Villasanta MB, Italy
Tel: +39-039-2050331

sales@freundglobal.com
www.freundglobal.com



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

