

Twin Screw Workshop

April 29-30, 2025

Dates: April 29-30, 2025
Classroom sessions: Hyatt Hotel, Branchburg, NJ
Hands-on sessions: Leistritz Extrusion Process Laboratory, Branchburg NJ

Program agenda:

Day 1 Tues., April 29, 2025

8:15 Opening remarks
8:30 Twin Screw Extrusion Theory: Mixing and Devolatilization, Charlie Martin, Leistritz Extrusion
9:15 Thermodynamic and Scientific Principles Relating to Devolatilization, Rob Jerman, Extrusion Tech. & Innovations
10:15 Break
10:45 Vacuum Solutions for the Plastic Industry, Jason Stiel, Busch USA
11:30 Devolatilizations Mechanisms and Scale-up, Bill Thiele, Leistritz Extrusion
12:15 Lunch
1:15 Metering, Die Modeling and Downstream Summary, Brian Haight, Leistritz Extrusion
2:00 Thin Film and Falling Strand Devolatilization, Remington Fisher, LCI Corp.
2:45 Break
3:15 Vacuum Systems for Extruder Applications, Jason Fitch, Wintek Corp
3:45 Devolatilization via a Unique Kneader-Reactor Device, Zohar Ophir, Polymer Processing Institute
4:15 Vent Management for High Filler Level Compounds, Sebastian Fraas, Leistritz Germany
4:45 Adjourn
6:00 Reception/dinner

Day 2 Wed., April 30, 2025

8:30 Troubleshooting DV Processes, Rob Jerman, Extrusion Tech. & Innovations
9:30 Hints to Improve Multi-stage, High Level Devol Systems, Steve Jackson, WorldWide Compounding
10:15 Best Practice for Preventative Maintenance Twin Screw Systems, Bill Novak, Leistritz Extrusion
11:00 Screw Nomenclature and Assembly/Disassembly, Brian Haight, Leistritz Extrusion
12:00 Lunch
1-2:30 Twin Screw Devolatilization demos @ Leistritz laboratory
- Co-rotating and counterrotating twin screw extruders
- Devolatilization via extrusion: ambient, vacuum assist, multi-stage venting
- Addition of fillers, fibers and additives with relief vents
- Pelletizing system
- Direct sheet/film extrusion with gear pump front-end
Bus to/from Leistritz Extrusion Process Laboratory
2:30-4:00 1 on 1 private meetings
Adjourn

For program details: <https://leistritz.technical-content.com/devolatilization-workshop/>