



MONDAY SEPT 16th —PTi TOUR & WORKSHOP



**Extrusion 101:
Fundamentals of Sheet
Thickness Adjustment**

THIS FREE EVENT INCLUDES:

- Transportation / Welcome Lunch
Educational Sessions / Facility Tour
- Space is limited to the first 100 registrants

(PTi reserves the right to restrict or revoke admission.)

AGENDA HIGHLIGHTS:

- Best Practices in Extrusion Processing and Manufacturing, 2019 Current and Near-Future Opportunities for Smart Manufacturing
- Liquid Color & Additives in Extrusion: Advancements in Technology
- Energy Saving Cooling Technologies
- Size Reduction Options for Reclaim of Extruded Scrap

TUESDAY, SEPT 17TH — GENERAL SESSIONS

7:00-8:00 AM Networking Breakfast: Exhibits Area

8:00 AM Best Practices in Extrusion Processing and Manufacturing 2019 / Louis Columbus, IQMS

8:30 AM A Guide to Extruder Upgrades / Dan Barlow, Integrated Control Technology

9:00 AM Polymer Melt Rheology: What Is It? And Why Is It Critical for Extrusion?
Olivier Catherine, Cloeren Incorporated

9:30 AM Determining Viscosity Data Using a Slit Die Viscometer
Chris Rauwendaal, Rauwendaal Extrusion Engineering

10:00 AM Networking Break: Exhibits Area

10:30 AM Troubleshooting Seven Common Extrusion Defects: Using Purging and Best Practices to Cut Scrap / Jarred Packard, ASACLEAN-Sun Plastech, Inc.

11:00 AM Product Enhancements for Increased Safety in Use, Operation and Maintenance of Size-Reduction Equipment / John Farney, Cumberland

11:30 PM Current Technology and Near-Future Opportunities for Smart Manufacturing
Allan Landers, Conair

Noon Networking Lunch

1:00 PM-5:00 PM **Concurrent Breakout Sessions: FILM, SHEET, COMPOUNDING & PIPE, PROFILE AND TUBING**
Visit ExtrusionConference.com to see full session abstracts

5:00-6:30 PM Networking Reception: Exhibits Area

"One of the better Extrusion conferences I've ever been to!"

– W. Hobson - Dow Chemical Co.

TUESDAY BREAKOUT SESSIONS

FILM / Breakout Sessions

1:00 PM	Fundamentals of Processing PE Plastomers for Blown and Cast Film Wes Hobson, <i>The Dow Chemical Company</i>
1:30 PM	Improving Film Quality and Throughput with Ultra-Precise Chilled Air Temperature Control Michael Pilolli, <i>D.R. Joseph Inc.</i>
2:00 PM	Innovations in Cast Film Extrusion Die Technology / Sam Iuliano, <i>Nordson</i>
2:30-3:00	Networking Break: Exhibits Area
3:00 PM	Machinery Solutions for Sustainability in Flexible Packaging Films / Marilio Milliefanti, <i>Macchi, S.p.A.</i>
3:30 PM	Utilizing Post-Consumer Resin in Film Applications Khosrow Hallaji, <i>Envision Plastics</i>
4:00 PM	Blown Film Coextrusion Dies: A Comprehensive View of Design and Optimization Rafael Castillo, <i>Dual Spiral Systems</i>
4:30 PM	A Smarter Way to Blend: Innovative Solutions for Integrated Material Blending and Conveying Mark Jordan, <i>Advanced Blending Solutions</i>
5:00 PM	Polyethylene Resins Designed for Extreme Performance Benefits Dr. Sushant Roy, <i>ExxonMobil</i>

SHEET / Breakout Sessions

1:00 PM	Direct to Sheet Compounding Sushant Jain, <i>Processing Technologies International</i>
1:30 PM	New Machine Concepts for Floatable PP-Based Coffee Capsules Increase Efficiency and Mitigate Environmental Impact / Thorsten Bung, <i>Kuhne</i>
2:00 PM	New Non-Nuclear Solid-State Thickness Sensor for the Measurement and Automatic Profile Control of Extruded Film, Sheet and Coatings Eric Reber, <i>Mahlo America</i>
2:30-3:00	Networking Break: Exhibits Area
3:00 PM	Automating the Sheet Winding Process for Improved Operator Safety and Productivity Joe Connelly, <i>Parkinson Technologies</i>
3:30 PM	Advances and Developments in Multi-Nipping Rollstacks Peter Rieg, <i>battenfeld-cincinnati</i>
4:00 PM	Resin Drying DOE: How to Ensure Your Resin is Properly Dried Braulio Polanco, <i>Systematic Extrusion</i>
4:30 PM	Challenges and Solutions in Melt Filtration for Sheet / Monika Gneuss, <i>Gneuss</i>

AGENDA HIGHLIGHTS! Visit ExtrusionConference.com to view all speaker profiles and full session abstracts.

COMPOUNDING / Breakout Sessions

1:00 PM	Managing Melt Temperature in a Twin-Screw Extruder / Brian Haight, <i>Leistritz</i>
1:30 PM	It's Science, Not Art: Analysis Tools to Improve Your Compounding Results Jeff Galloway, <i>Krauss-Maffei</i>
2:00 PM	Water Bath Length Determination: A Theoretical Approach Bruce Spencer, <i>SABIC</i>
2:30-3:00	Networking Break: Exhibits Area
3:00 PM	The Extruder as a Polymerization Reactor for Organometallic Catalyzing and Compatibilizing Recycled Polymers to Achieve Sustainability Goals Salvatore Monte, <i>Kenrich</i>
3:30 PM	Improving Process Control of Pelletizing Operations via Advanced Control Platforms Mike Duff, <i>Graham Engineering</i>
4:00 PM	Compounding of TPE and TPV on the Corotating Intermeshing Twin-Screw Extruder / Sabine Schoenfeld, <i>Coperion</i>
4:30 PM	The Three M's of Delivering Powders to Compounding Extruders David Kennedy, <i>VAC-U-MAX</i>

PIPE, PROFILE, TUBE / Breakout Sessions

1:00 PM	The Latest Tools for Efficient and Optimized Profile Die Development John Perdikoulis, <i>Compuplast North America</i>
1:30 PM	Enhancements to Downstream Extrusion Water and Vacuum Tanks to Facilitate a Higher Level of Precision and Repeatability Robert Bessemer, <i>Novatec</i>
2:00 PM	Virtual Pressure Measurement: Analysis and Performance / Bill Kramer, <i>US Extruders</i>
2:30-3:00	Networking Break: Exhibits Area
3:00 PM	How Control Systems for Electrical Motors Compare / Gerry Lamorte, <i>CDS Machines</i>
3:30 PM	The Latest Advancement in Dimensional Measurement and Control for Tube, Pipe, and Profile Extrusions / Keith Donahue, <i>Zumbach</i>
4:00 PM	Screw Design Concept and PVC Flow Behaviors in a Counter-Rotating Twin Screw Extruder Haikun Xu, <i>Krauss-Maffei</i>
4:30 PM	State of Technology in Profile Extrusion Daniel Cykana, <i>Extrusion Solutions</i>



WEDNESDAY, SEPT 18TH — GENERAL SESSIONS

7:00-8:00 AM Networking Breakfast: *Exhibits Area*

8:00 AM Introduction to Scientific Extrusion / Presented by Braulio Polanco, *Systematic Extrusion*

8:30 AM Improving Extrusion System Productivity via Digital Technology, Activ-Check with Line Remote Monitoring / John Christiano, *Davis-Standard*

9:00 AM How Pneumatic Conveying Systems Can Improve Performance in an Extrusion Process
Joe Dziedzic, *ACS Group*

9:30 AM Liquid Color & Additives in Extrusion: Advancements in Technology / Paul Maguire, *Riverdale Global*

10:00 AM Networking Break: *Exhibits Area*

10:30 AM Size-Reduction Options for Reclaim of Extruded Scrap / Dana Darley, *Vecoplan*

11:00 AM Energy Saving Cooling Technologies / Bob Smith, *Thermal Care*

11:30 AM Drying Secrets to Producing Defect Free Extrusion Products / Mark Haynie, *Novatec*

Noon Networking Lunch

1:00 PM-5:00 PM **CONCURRENT BREAKOUT SESSIONS: FILM, SHEET, COMPOUNDING & PIPE, PROFILE AND TUBING**
Visit ExtrusionConference.com to see full session abstracts

5:00-6:30 PM Networking Reception: *Exhibits Area*

WEDNESDAY BREAKOUT SESSIONS

FILM / Breakout Sessions

1:00 PM Improved Equipment Design to Reduce Material Usage / Mark Wodrich, *Macro Engineering*

1:30 PM Optimizing the Film Extrusion Process for Ideal Quality Analysis: Results of High-Performance Polymers / Christoph Pielen, *CW Brabender*

2:00 PM An Overview of Nano-layer Coextrusion Process for Flat Sheet and Film: Principle, Potential and Industrial Applications
Olivier Catherine, *Cloeren Incorporated*

2:30-3:00 Networking Break: *Exhibits Area*

3:00 PM Web Process Alignment
Scott Glover, *The Advanced Team*

3:30 PM Going, Going, Gone: Common Problems in Film Manufacturing Solved with Dry Ice
Steve Wilson, *Cold Jet*

4:00 PM Triple Bubble: An Opportunity to Comply with Regulatory Challenges / Adolfo Edgar, *Kuhne*

4:30 PM Industry Trends Impacting Flexible Packaging and How Machinery Suppliers Can Help
Steve DeSpain, *Reifenhauser*

COMPOUNDING / Breakout Sessions

1:00 PM Benefits and Challenges of Entering Twin-Screw Extrusion / Dean Elliott, *Entek*

1:30 PM How Robust is your Feeding Technology? Key Considerations to Ensure Reliable and Even Smarter Performance
John Winski, *Coperion K-Tron*

2:00 PM Precision Compounding for 3D Filament Production / Charlie Martin, *Leistritz*

2:30-3:00 Networking Break: *Exhibits Area*

3:00 PM Effective Compounding Transitions
Kenneth Russell, *Optimized Compounds*

3:30 PM The Compounding Extruder of the Future
Adam Dreiblatt, *Century Extrusion*

4:00 PM The Advantages of Processing PLA Using the Farrel Continuous Mixer
Patrick Lahmann, *FARREL POMINI*

4:30 PM Twin Screw Extruder for a Wide Variety of New Processes / Paul Martin, *JSW*

SAVE \$150

Register before August 13th!
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WEDNESDAY BREAKOUT SESSIONS *Continued*

PIPE, PROFILE, TUBE / Breakout Sessions

1:00 PM	A Die Designer's Guide for Utilization of Land Length for Process Optimization Steve Schick, <i>Teel Plastics</i>
1:30 PM	Versatile Single Screw Extrusion System for Typical Thermoplastic Resins Jingyi Xu, <i>Graham Engineering</i>
2:00 PM	The Importance of Controlling Belt Gap When Processing Precision Micro-Bore Medical Tubing Robert Bessemer, <i>Novatec</i>
2:30-3:00	Networking Break: Exhibits Area
3:00 PM	Accurate Prediction of Cooling, Shrinkage, and Distortion of Extrudate Profile in Calibrator and Post-Calibrator Regions Mahesh Gupta, <i>Plastic Flow</i>
3:30 PM	What Affects Cut Lengths? Gerry Lamorte, <i>CDS Machines</i>
4:00 PM	Where's My Weight? Maximizing Material Savings Through Precision Measurement Brad Allen, <i>Inoex</i>
4:30 PM	Are You Leaving Profit on the Shop Floor? Tom Kvinge, <i>Extreme Coatings</i>

SHEET / Breakout Sessions

1:00 PM	Emerging Trends in Thick-Gauge Sheet Steve DeAngelis, <i>Davis-Standard</i>
1:30 PM	In-line Compounding of Flexible PVC without Pre-Mixers for Sheet Nathan Garrison, <i>Krauss-Maffei</i>
2:00 PM	Innovative High-Speed Extrusion Technology for Thin-Gauge Sheet Sushant Jain, <i>PTI/Processing Technologies International</i>
2:30-3:00	Networking Break: Exhibits Area
3:00 PM	The Who, What, When, Where & How of Expanding PP Gauge Range Mike Duff, <i>Graham Engineering</i>
3:30 PM	From Pounds and Profit to Trust and Transparency: A Story of Building a Safety Culture in Manufacturing / Curtis Perry, <i>SEKISUI</i>
4:00 PM	Screw, Barrel, Gear Pump, and Chill Roll Designs For Sheet Extrusion / Walter Smith, <i>Nordson</i>
4:30 PM	Sheet Extrusion Troubleshooting - Black Specks on Start Up / Rick Barnes, <i>Paulson Training</i>

THURSDAY, SEPT 19TH — GENERAL SESSIONS

7:00-8:00 AM Networking Breakfast: Exhibits Area

8:00 AM	Optimization of Extruder Barrel Temperatures / Chris Rauwendaal, <i>Rauwendaal Extrusion Engineering</i>
8:30 AM	Transforming into an Intelligent Factory: Think Big, Start Smart, Scale Fast Willem Sundblad, <i>Oden Technologies</i>
9:00 AM	Inpush-Output Analysis / Allan Griff, <i>Edison Technical Services</i>
9:30 AM	Save that Scrap! Choosing and Sizing the Correct Size-Reduction Equipment for your Specific Application / Dave Miller, <i>Conair</i>
10:00 AM	Networking Break: Exhibits Area
10:30 AM	Troubleshooting Your Dust and Streamer Problem / Joe Lutz, <i>Pelletron</i>
11:00 AM	Extrusion Screw Cleaning Tips / Tim Whisman, <i>Maxiblast</i>
11:30 AM	New Developments in Chillers Providing Precise Heating and Cooling in One Unit Rick Holzhauer, <i>Delta T Systems</i>
Noon	Energy Efficiency Differences in AC and DC Motors on Extruders Scott Barlow, <i>Integrated Controls Technology</i>
12:30 PM	Conference Concludes

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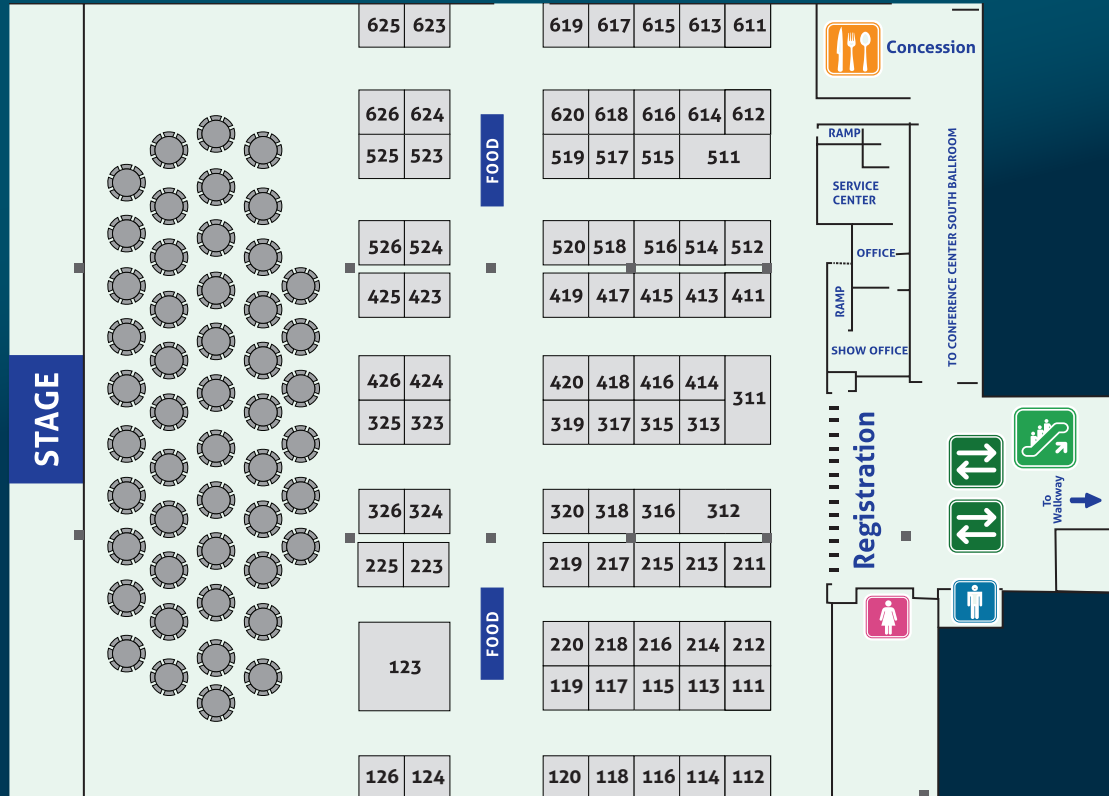


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EXTRUSION 2019 HALL MAP



2019 EXHIBITORS

The Extrusion 2019 exhibits area showcases the industry's leading companies with the most innovative and exciting products and services used in extrusion processing!

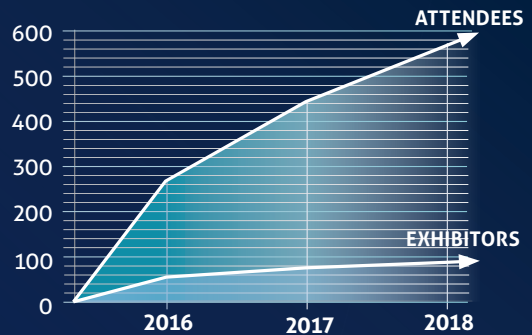
Aaron Equipment Company	416	Extreme Coatings	623	Novatec	320
Addex, Inc.	318	Extrunet Americas	515	Oden Technologies	325
Advanced Blending Solutions	315	Extrusion Control & Supply	112	Orbetron, LLC	111
AEC / Cumberland	414	Flender Corp.	417	OVS Grinding	415
AIS Gauging	218	Foremost Machine Builders, Inc.	217	Parkinson Technologies	425
Artec Machine Systems	518	Frigel North America	526	Paulson Training Programs	620
ASACLEAN – Sun Plastech	517	Gala Industries, Inc.	312	Plastics Machinery Group	323
Berlyn ECM, Inc.	519	Gneuss Inc.	418	Polymers Technology Center	618
Brabender Technologie Inc	216	GP:50 Melt Pressure	215	Processing Technologies	123
CDS Custom Downstream Systems	524	Graham Engineering Corp.	311	International LLC (PTI)	123
Cloeren Inc.	223	Guill Tool & Engineering	523	PSI-Polymer Systems Inc	119
Compuplast International	617	High Technology	313	R&B Plastics Machinery	615
Conair	419	Hitachi America Ltd.	213	Reduction Engineering Scheer	312
Control Laser Corp.	413	iD Additives, Inc.	319	Reifenhauser	113
Coperion & Coperion K-Tron	211	Integrated Control Technologies	124	Riverdale Global	219
CST Industries	611	Jelliff Corp.	120	Starrett	624
C.W. Brabender Instruments, Inc.	424	Kolcor	514	TRIA America	626
D.R. Joseph, Inc.	423	Leistritz Extrusion	619	The Advanced Team	126
Davis-Standard, LLC	220	Maag Americas	312	US Extruders	516
Delta T Systems	225	Maag Automatik	312	VAC-U-MAX	317
DynaPurge	525	Macchi, S.p.A	625	Vecoplan, LLC	512
Econ Inc	214	Maguire + Syncro	324	Versa Machinery	426
ENTEK Extruders	316	Mahlo America Inc.	212	Windmoeller & Hoelscher	420
ESI-Extrusion Services, Inc.	411	NFM Welding Engineers, Inc.	326	Witte Pumps & Technology	612
Ettlinger North America	312	Nordson Corp.	520		

Exhibitors current as of 7/22/2019 and subject to change

Extrusion Keeps Growing!

573

Total Attendees and Exhibitors in 2018



9/10



In 2018, 90% of surveyed EXHIBITORS were satisfied

9/10



In 2018, 90% of surveyed ATTENDEES rated the content satisfying

Extrusion 2019 Conference Fees

Your conference registration includes access to all Extrusion 2019 sessions and to the exhibit area, as well as all breakfasts, refreshment breaks, lunches and networking events.

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