



Twin Screw Extrusion Workshop

The Leistritz Twin Screw Workshop will provide an in-depth review of twin screw extrusion theory, operating principles, and designs to make pellets and/or directly extruded parts. A unique facet of this program is that time is spent in a classroom setting and also operating twin screw extruders with various upstream and downstream systems.

The program covers basic theory for compounding, devolatilizing, reactive processing, foaming and direct extrusion. The sessions are suited for anyone interested in twin screw extrusion practices for plastic, medical and/or pharmaceutical applications.

We suggest you register as soon as possible as previous workshops have filled up far in advance. Space is limited and available on a first served basis.

A partial list of course topics follows:

- High speed, energy input (HSEI) twin screw extruder theory and design
- Comparison to low speed, late fusion (LSLF) designs
- Screw design and process techniques
- Techniques for dispersive and/or distributive mixing
- Sequencing of multi-stage process operations
- Devolatilization process techniques and practices
- Scale-up of the twin screw extrusion process
- Feeder and materials handling for pellets, powders and liquids
- Gear pumps and screen changers
- Pelletizing: strand cut, water ring, and underwater
- Direct extrusion for sheet, film, fibers and profiles
- Reactive processing
- Process troubleshooting
- Control and monitoring options

- Screw assembly and disassembly
- Machine maintenance

“Hands-on” demonstrations at the Leistritz NJ process laboratory

- Co-rotating and counterrotating twin screw extruders
- Devolatilization of polymers
- Downstream addition of fillers, fibers and additives
- Direct sheet/film extrusion with gear pump front end
- Foam extrusion via gas injection
- Hot face and strand pelletization

Pertinent information is as follows:

Dates: December 2-3, 2009

Place: Classroom sessions will be held at the Holiday Inn Select, Clinton, New Jersey, and twin screw extrusion system demonstrations are at the Leistritz Process Laboratory (10 minutes away). Transportation is provided to/from machine demonstrations.

Cost: \$780 (includes handout materials, lunches, and dinner on day 1)

To register for this program please complete the registration form and fax to 908/685-0247 or contact Sarah Scovens at 908/685-2333, x614 / sscovens@alec-usa.com

REGISTRATION FORM

Yes, please register me for the **Twin Screw Extrusion Workshop**: **December 2 - 3, 2009**

Denote method of payment: Payment enclosed (Make check payable to **American Leistritz Extruder Corp.**)
 Invoice me (An invoice and confirmation will follow in the mail). Purchase Order # _____

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or e-mail sscovens@alec-usa.com