

>> Coperion know-how at your disposal: Seminars on Process Technology for PVC Processing

COURSE OBJECTIVES

- To provide process engineers and operation supervisors with an understanding of the fundamental and practical aspects of the design and operating mode of a Kombiplast
- To update knowledge in the field of compounding and pelletizing of PVC, cable and special compounds

LANGUAGE

All courses will be held in English if there is no other predefinition.

TRAINER

Juergen Schweikle, Dipl.-Ing.
Senior Process Engineer Engineering Plastics
Coperion GmbH, Stuttgart, Germany



DATES AND LOCATION

Sessions are split in 3 parts with 3 hours each

8-11 am (Central European Time)

MS Teams via Coperion GmbH,
Stuttgart, Germany

Participants get access to this Coperion training channel via MS Teams

SEMINAR FEE

EUR 1.330,- per trainee. This price will be charged plus VAT.

ATTENDEES WILL RECEIVE

- Coloured Coperion textbook PROCESS TRAINING ON PVC PROCESSING
- Certificate upon completion of the course (PDF)

INDIVIDUAL SEMINARS

In addition to the regularly scheduled classes in Stuttgart, Germany, courses can be held at your company's site.

Training contents can be modified according to your objectives. Having discussed your needs we work out a customized training schedule and pricing for you.

>> Content. Seminar on Process Technology for PVC Processing

DAY 1

- Basic process knowledge in the field of PVC processing.
- Self cleaning screw profile of twin screw extruders
- Development of the ZSK twin screw extruders
- Screw elements: layout and definitions
- Working principle of screw elements
- Compounding plants and comparison of different extruder systems
- Process sections inside of the ZSK
 - Feeding
 - Melting
 - Degassing
 - Metering
 - Screw tip design
- Materials for different applications
- Discharge section Discharge section
 - ESA single discharge screw
 - EGR hot-face pelletizer
 - Die plate design
 - Fluidised bed cooler
- Optional Screen changer
- Pelletizer

DAY 2

- Plant layout
 - Plant layout for PVC processing
 - Plant layout for PVC and HFFR processing
- Process variables
 - Specific energy influence of rate and screw speed
 - Motor load (torque)
 - Temperature profile: influence of the various operating parameters
- Latest Coperion developments and insights in the field of compounding and pelletizing of PVC, cable and special compounds
- Interlocks
 - Interlock sequences
 - Start up sequences
- Scale-up
 - Methods to design a compounding line
 - Product properties
 - Interlock sequence
 - Specific energy
 - Melt temperature
- Trouble shooting
 - Operating window
 - Analysis of rate limitations
 - Torque limitations
 - Melting limitations
 - Vent limitations
 - Feed limitations
 - Pressure limitations

CONTACT INFORMATION

For more information about Coperion's seminars please contact:

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