

Industrial Mixers 101: Mixing Fundamentals and Best Practices

Syllabus Overview:

- 1. Introduction to Westpower**
- 2. Mixing Overview**
 - Brief background and history on SPX FLOW
 - Basic parts of a mixer
 - Mixer capabilities
 - Why do we need mixers?
 - Different mixer applications
 - Heat transfer
 - Homogenization
 - BS&W
 - Dissolving
 - Particle suspension
 - Key considerations in mixer specifications
 - Tank set up
 - Baffles
 - Nozzles
 - Tank shape
- 3. Portables**
 - Product line overview and industries served
 - Common applications
 - Low spec items
 - Mounting options

4. Top Entry

- ✔ Product line overview and industries served
- ✔ Quill mixers
- ✔ Open vs closed tanks
- ✔ Multiple impellers on one shaft to improve mixing

5. Side Entry

- ✔ Product line overview and key differences
- ✔ Impeller technologies
- ✔ Single vs double mech seal
- ✔ Leak detection
- ✔ Shut off devices
- ✔ Orientation in tanks and when 1 mixer isn't enough
- ✔ Sweeping of tank floors and its importance

6. Hands On Training

- ✔ Mixer teardown