



OPTI Series Maintenance Course Content

Technical Specifications & Key Features

- Machine capacities
- Inlet valve “sheeting valve”
- Auger/Mixer
- Operation of the pump chamber
- Operation of the front valve rotor
- Overview of moving to sanitation position
- Lock Out Tag Out locations
- Preventive maintenance review
- Review 10 steps of troubleshooting
- Review sequence of operations and trigger points

Main Components & Hopper Styles

- Utility connection location
- Hydraulic enclosure location
- Control panel location
- Front discharge valve location
- Hopper Styles

Pump Chamber – Sleeves and Pistons

- How to identify sleeve/piston location
- Funnels, wear rings, quad seals locations and installation
- Review sleeve/piston stop styles
- Review open vs. close position

Front Rotor Valve

- Operation and wear
- Quad seals and installation procedures
- Front valve lift
- Safety switch locations for front valve rotor assembly

Electronics

- Review electrical schematic
- Calibration procedures
- Safety switches and master control relay

Hydraulic Components

- Supply lines
- How the valves operate
- Hydraulic schematic trace through the print
- High mode vs. low mode

Power Unit

- Priming pumps
- Heat exchanger
- Temperature Level Setter

Vacuum / Static Check

- Loading issues
- Effects of air leaks on product
- Conducting static vacuum tests
- Water vacuum check procedures

Loading Hopper issues

- Inlet valve adjustments
- Vacuum levels
- Product levels/bridging issues
- Auger speed/rotation
- Sleeve/piston speeds

Touch Screen Control

- Operation and options
- Hands-on at the machine for screen controls

Manual Controls

- Pressure vs. speed
- Hands-on at the machine how to set and verify speed control

