

Mechanical Assembly Technician – Food Processing Equipment

Position Summary

The Mechanical Assembly Technician is responsible for assembling, fitting, and installing mechanical components and subassemblies used in food processing machinery. This position works from engineering drawings, bills of materials, and assembly instructions to build equipment according to specifications, quality standards, and production schedules.

Key Responsibilities

- Assemble mechanical components, subassemblies, and complete food processing machines according to engineering drawings and specifications.
- Read and interpret mechanical drawings, assembly prints, bills of materials (BOMs), and work instructions.
- Install bearings, shafts, sprockets, chains, belts, gearboxes, motors, guards, conveyors, and other mechanical components.
- Fit, align, level, and adjust components to ensure proper machine operation.
- Use hand tools, power tools, torque wrenches, measuring instruments, and other assembly equipment safely and effectively.
- Drill, tap, ream, and perform minor fitting or modification of components as required.
- Verify dimensions, clearances, alignment, and assembly quality using appropriate measuring tools.
- Identify and report incorrect, damaged, or missing components and assembly discrepancies.
- Work closely with engineering, manufacturing, electrical assembly, and quality personnel to resolve assembly issues.
- Maintain an organized and safe work area and follow established safety procedures.
- Complete required production, inspection, and assembly documentation.

Qualifications

- High school diploma or equivalent; technical or vocational training in mechanical assembly, machining, industrial maintenance, or a related field is preferred.

- Previous experience assembling industrial machinery, automated equipment, conveyors, packaging equipment, or food processing machinery preferred.
- Ability to read and understand mechanical drawings and assembly prints.
- Strong mechanical aptitude and familiarity with common mechanical components and fastening methods.
- Experience using hand tools, power tools, and precision measuring equipment.
- Ability to troubleshoot mechanical fit, alignment, and assembly problems.
- Ability to work independently as well as part of a manufacturing team.
- Strong attention to detail and commitment to quality workmanship.

Physical Requirements

- Ability to stand and work on manufacturing equipment for extended periods.
- Ability to bend, kneel, climb, reach, and work in various positions during machine assembly.
- Ability to safely lift and handle components weighing up to approximately 80 pounds, with assistance or lifting equipment used when appropriate.
- Ability to safely operate common assembly tools and material-handling equipment.

Preferred Experience

Experience with **stainless-steel food processing equipment, conveyors, sanitary equipment design, machine building, or custom industrial machinery** is highly desirable.