

Affordable Innovation

Potent Compound and Containment Design for Oral Solid Dosage and Aseptic Liquid Filling Facilities

The IPS team has extensive experience and the technical knowledge necessary to address the challenges and approaches for the design and construction of potent compound, isolation technology, aseptic liquid filling and oral solid dosage facilities. Our experience includes sterile liquid and oral solid dosage form manufacturing facilities that include, handling potent and cytotoxic compounds. We have a solid understanding of the risks associated with the handling of these types of compounds. This understanding gives us the ability to select the appropriate containment strategy (primary, secondary and tertiary containment levels) incorporated into a fast track project delivery schedule.



From qualifications, start-up and normal operational data, we understand the implications of design and process. Our architects and engineers apply a fully integrated approach to the layout, design and specification of secondary pharmaceutical finishing facilities – including all types of liquid and solid products. Recently, IPS provided an innovative manufacturing strategy, with scalable design, for the first approved clinical sterile continuous process isolation facility in the United States.

Our secondary manufacturing team offers expertise in the following areas:

- Fully integrated Engineering/Design, Build, Validation and Construction Management services that create flexible, multi-product facilities to manufacture parenterals, tablets and capsules, liquids, ointments and lyophilized products.
- Potent and Non-Potent OSD and Liquid Aseptic Filling Manufacturing and Packaging Suites including Isolation Technology
- Integrated focus on material, product, personnel and waste flow to improve operation and reduce efficiencies
- Sterile Liquid Filling Lines
- GMP Warehousing and Distribution
- Containment/Isolation Technology for Potent Compound Handling
- Product and Component Sterilization
- Inspection Equipment/Methods
- Validation Of Critical Process Systems including 21CFR11
- Factory Acceptance Test (FAT)
- Safety/EH&S Consultation and Programming