



NCS Pharmaceuticals has experience in engineering design, commissioning and validation in a wide variety of different facilities, systems, processes and equipment. This experience includes, but is not limited to the following:

Facilities	
Compounding/Formulation Aseptic Suites	Environmental Rooms Containment Areas Medical Devices Barrier Technology
Laboratories Controlled Substances	

Utilities/Services	
Purified Water Water for Injection Sterile Air Compressed Air Plant Air Nitrogen Dust Collection Waste Neutralization	Process Chillers HVAC Vacuum Clean Steam Plant Steam Emergency Power Sterilize in Place Clean in Place

Systems/Computer Validation	
Computer Hardware Computer Software Automated Warehouse SAP	Label Control Automatic Inspection Distributed Control Systems Programmable Logic Controllers Decontamination System

Parenterals	
Steam Sterilization Depyrogenation Ovens/Tunnels Aseptic Filling/Processing Terminal Sterilization Radiation Sterilization Lyophilizers Form/Fill/Seal Machines Glassware Washers/Dryers	Environmental Monitoring Stopper Washing/Sterilizing Stoppers/Crimping Ethylene Oxide Sterilization Sterile Filtration Laminar Flow Hoods Inspection Stations



Oral Solid Dosage Forms

Blenders High Shear Mixers Fluid Bed Granulators Milling Equipment Check Weighers Tablet Presses	Tablet Coaters Tablet Printers Capsule Printers Dryers Centrifuges Microwave Drying
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Biotechnology

Master Cell Banks Media Preparation Buffer Preparation Fermentation Harvesting Separation	Ultrafiltration Chromatography Biosafety Cabinets Deactivation Neutralization Sterilization
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Bulk Pharmaceuticals

Reactors Centrifuges Distillation Columns Crystallizers Extruders	Tank Farms Solvent Recovery Vessels/Agitators Filtration Drying
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Packaging

Unscramblers Fillers Pluggers Cappers Tamper Evident Features Labelers Batch/Date/Bar Coders Blister Packers	Neck Banders Accumulation Tables Cartoners Shrink Wrappers Overwrappers Case Sealers Palletizers Cottoners
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Clients Served:

- Pfizer
- Wyeth
- Bio-Matrix/Genzyme
- Sidmak/Pliva
- Schering-Plough
- Organon
- Dupont
- DPT Labs
- Merck
- Ortho-McNeil/J&J
- Miwon
- CBL