

Overview

PharmaForm, LLC is a leading pharmaceutical research and development provider. Starting in 1996, the company has built its reputation on delivering novel and innovative solutions to challenging problems in product development and pharmaceutical processing.

We understand the needs of a turnkey operation and provide high quality analytical and manufacturing services. Whether Phase I or commercial manufacturing, PharmaForm is dedicated to providing our clients with an unparalleled combination of support, flexibility, expertise and service.

Choose PharmaForm for your pharmaceutical endeavor because:

- We complete each project with a focus on quality, cost effectiveness and the timeline.
- We are a flexible client-centered service provider.
- Your product has equal priority – every project is treated as our own.
- Confidentiality is assured.
- Outsourcing can alleviate overhead costs.

Analytical Services

PharmaForm analytical services include:

- Method Development
- Method Validation
- Raw Material Characterization
- API Characterization
- API – Excipient Compatibility Studies
- Stability Storage and Analysis
- Finished Product Release Testing
- Nutraceuticals
- Analysis of potent low dose drugs

Dosage Forms Development & Manufacturing Capabilities

- Tablets
- Capsules (Powder and Liquid Filled 2 Piece Capsules)
- Film Coating
- Granulation (Dry and Wet)
- Solutions, Creams, Lotions, Emulsions, Suspensions, Gels, Ointments
- Hot-Melt Extrusion, Compression Molding, Injection Molding
- Multi-particulate Systems
- Taste Masking
- Transmucosal delivery
- Transdermal delivery
- Sustained release (high dose, high solubility drugs; low dose, high/low solubility drugs)
- Pulsatile release
- Very low dose / highly potent oral dosage forms
- Effervescent systems
- Nasal sprays (aqueous pump and pressurized metered dose types)
- Pulmonary delivery (pressurized metered dose inhalers and dry powder inhalers)
- Immediate release systems (fast or flash dissolve technology)
- Chewable tablets

- Controlled Substances as a niche class of drugs
 - Bioadhesive drug delivery systems
 - Solubility Enhancement and rapid dissolution solid dosage forms
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Facility Equipment

LABORATORY

HPLC:

- Waters HPLC (UV-Vis / Dual Wavelength / PDA Detectors)
- Shimadzu HPLC (UV-Vis/ Fluorimetry / Refractive Index / PDA Detectors)
- Agilent HPLC (UV-Vis / PDA Detectors)
- Waters & Timberline Column Heaters
- All HPLC's are 21 CFR Part 11 compliant

SPECTROMETRY:

- Hewlett Packard UV-Vis Spectrometer
- Perkin-Elmer Model Spectrum BX FTIR

TOTAL ORGANIC CARBON:

- Sievers Ionics Total Organic Carbon Analyzer
- Shimadzu TOC-V WS Total Organic Carbon Analyzer

PARTICAL SIZING:

- Malvern Spraytec Particle Sizer, Model RTS 5000
- MightyRunt™, InnovaSystems, Model IOC Automated Actuation Station
- EZ Spray™ Software

ATOMIC ABSORPTION:

- Perkin-Elmer AAnalyst™ Model 400 Atomic Absorbance Spectrometer

MECHANICAL TESTING:

- Instron Model 5542 Electromechanical Load Frame with Bluehill™ Software and Compliance Builder™.

BALANCES:

- Denver Top Loading Balances
- Denver Electronics Analytical Balances
- Mettler-Toledo Model AX-205 Analytical Balance
- Mettler-Toledo Model MX5 Microbalance
- Mettler-Toledo Model AG285 Balance
- Mettler-Toledo Model DL32 Karl Fischer Coulometer

STABILITY:

- Temperature Cycling Oven
- UV/Vis Photo Stability Chamber
- 25 °C/60 RH Stability Chamber
- 30 °C/60 RH Stability Chamber
- 30 °C/65 RH Stability Chamber
- 40 °C/75 RH Stability Chamber
- 5 °C Stability Chamber
- -20 °C Stability Chamber
- Validated GE Kaye LabWatch™ Monitoring System

DISSOLUTION/DISINTEGRATION:

- Varian / Van Kel Dissolution Baths
- Hanson Dissolution Baths
- Hanson Disintegration Tester

STORAGE:

- Fisher Isotemp™ 500 Series Ovens
- Fisher Scientific Laboratory Refrigerator
- Sanyo Freezer, Ultra Low

OTHER:

- ATR Freeze Mobile
- Denver Moisture Balance
- Brookfield Viscometer
- Fisher Scientific Dissolved Oxygen Meter
- Fisher Scientific & Branson Sonicators
- Labconco Fume Hood
- IKA-Werke Model HS-501 Digital, Refrigerated Incubator Shaker
- Andersen Cascade Impactor, Model 10-709
- Thiel Tubes & Velocity Meters
- New Brunswick Model C24KC Refrigerated Shaking Incubator
- Jeio-Teck Model SI-600 Refrigerated Shaking Incubator
- Precision Systems Osmometer

- Rudolph Research Polarimeter
- Abbe Mark III Refractometer
- Barnstead International Electrothermal Melting Point Apparatus
- Tuttnauer Brinkman Autoclave Steam Sterilizer
- Corning & Thermo Orion pH Meters
- Erweka Friability Tester
- Erweka Tapped Volumeter
- Varian / Van Kel Model VK200 Hardness Tester
- Mettler Toledo Densito 30PX Density Meter
- Hot Plates
- Sheldon Vacuum Oven
- Labconco Glassware Dishwasher & Flask Scrubber
- Eppendorf Centrifuge
- Fisher Scientific Micromaster™ Light Microscope with Digital Camera (4X – 1000X Magnification)
- 4 – GAST Vacuum Pumps
- Fisher Scientific Isotemp™ Muffle Furnace

DEVELOPMENT / MANUFACTURING

RECEIVING/WAREHOUSE:

- Sartorius Scales
- Digital Scales
- Three Rack Stand up Forklift

COMPOUNDING / BLENDING / MIXING:

- Tyler Sieve Shaker
- Retsch AS300 Analytical Sieve Shaker
- Robot Coupe Vertical Batch Processor
- Glatt Mini-Glatt 5
- Aeromatic-Fielder STREA-1
- Fluid Air Model 0020 Fluid Bed – W/ 12" & 18" Wurster Column Inserts
- Northern Ironworks V-Shell Blender, 8 Qt.
- LCI Benchtop Granulator
- Caleva Spheronizer
- Avestin EmulsiFlex Homogenizer
- Pamasol Electric Pressure Mixer
- Pamasol Filling Head
- Frewitt GLT-101 Granulating Machine (Oscillator)
- Fisher Scientific Power Gen
- Fisher Scientific DynaMixer Stirrer

- Groen Kettle (20 ft³)
- Vector 40 G. Kettle
- Frain 2 ft³ Twin Shell Blender
- CapPlus Technologies 5ft³ V-Shell Blender
- Vector High Shear Granulator (GMX-25)
- Vector High Shear Granulator (GMX-LAB Micro)
- Power Gen Rotostator
- Tempered Water Generator
- Bohle[®] LM 40 Bin Blender
- Kason[®] 18" Vibroscreen
- Hosokawa Spiral Jet Mill (Micronizer)
- Fitzmill[®] L1A
- Quadro Comil
- QJ-230T-1 Marumerizer

COATING:

- Vector LCS3 Coating System (6L & 1.3L)
- Glatt Mini-Glatt 5
- Aeromatic-Fielder STREA-1
- Fluid Air Model 0020 Fluid Bed – W/ 12" & 18" Wurster Column Inserts

TABLETING / CAPSULE FILLING:

- Stokes 16 Station Tablet Press
- Natoli 45 Station Tablet Press
- Tablet Dedusters
- PAM AF 40-T Capsule Filler
- PAM ECS-100 Empty Capsule Sorter/Eliminator
- Schaefer Capsule Bander
- Bonnapace In-Cap Encapsulator
- Manesty Express 20 Station Tablet Press (D-Press)
- Schaefer Model 10 Capsule Filler

PACKAGING:

- Pamasol Crimping Head
- Grisona Tube Crimper
- Chem. Pharm. Ind. Co. Tube Filler
- Baker Drug-O-Matic
- Lepel Induction Sealer
- Mocon Oxygen Head Space
- Electronic Torque Tester

- Bioscience Ampule Sealer
- Enercon Induction Sealer
- Busch SC202 Tablet/Capsule Counter
- Mocon AB Plus Tablet / Capsule Sorter

EXTRUSION:

- Leistritz Model ZSE-18 Twin Screw Extruder(25:1 and 40:1 length/diameter ratios)
- Leistritz Gear Pump
- Leistritz Side Stuffer & Liquid Injection Pump
- Several Mass Flow Meters
- Davis – Standard Single Screw Extruder
- Sheer Bay Pelletizer
- Randcastle Co-extrusion System
- Tinius Olsen Melt Flow Index Tester
- JASCO Pump

OTHER:

- Fisher Scientific Isotemp 500 Series Ovens
- Grieve Industrial Oven
- Gruenburg Oven
- Erweka Friability Tester
- Erweka Tapped Volumeter
- Secure Pak Electronic Torque Tester
- Cole-Parmer Digital Calipers
- BUCHI Rotovaps
- Varian / Van Kel Model VK 200 Tablet Hardness Tester
- ATM Sonic Sifter L3P
- Vacuum Pumps
- Critical Flow Controllers
- K-Tron Precision Powder Feeders
- pH Meters
- High Torque Stirrers
- Leica DM EP Polarizing Microscope