



FROM
FORMULATION
TO FULFILLMENT
 PROVIDING END-TO-END PHARMA SOLUTIONS



SOLID DOSAGE & SEMI-SOLIDS

- TABLETS
- CAPSULES
- BEADS
- CREAMS
- GELS
- OINTMENTS
- CYTOTOXIC
- HIGH POTENT
- HORMONES
- SCHEDULE I-V



UPM IS AN INDEPENDANT, AWARD-WINNING, CONTRACT RESEARCH, DEVELOPMENT AND PHARMACEUTICAL MANUFACTURING COMPANY WITH LONGSTANDING EXPERIENCE AS A **BIG PHARMA SUPPLIER IN ORAL SOLID DOSAGE & SEMI-SOLIDS.**

ANALYTICAL

- UPLC & HPLC w/ UV-VIS & Diode Array Detectors
- GC w/ Direct Inject & Headspace Autosamplers
- Dissolution Apparatus 1/ 2 / 3
- Dissolution Autosamplers
- Karl Fischer Moisture Analyzers
- Particle Size Analyzers
- Raw Material Characterization
- Excipient Compatibility Testing
- Solubility Screening
- Impurity Identification
- Hygroscopicity Studies
- Methods Development & Validation
- Class I-V Testing Capabilities
- Full Drug Product Testing
- Stability Testing
- Microbiological Testing

RESEARCH & DEVELOPMENT

- Sty'l One Multilayer Press: 1,200 Tablets/hr
- Vector Freund TFC Compactor: 5g-1kg/hr
- Mini Glatt: 25-375g Batch Size
- Fitzmill L1A(SS): 360-9000RPM
- Freund Vector LDGS Coater
- Diosna P1-6 High Shear: 50- 1500 g
- V-Blender-PK Blend Master
- Schafer Lab-Cap 3000: 3,000/hr shift
- Silverson L5M-A Homogenizer
- Quadro Comil U5
- Fitz Mill L1A

FORMULATION

- Molecule Size: Small to Medium
- IND, ANDA, NDA
- Phase I,II,III
- Immediate & Modified Release
- Delayed & Sustained Release
- Oral Disintegrating Tablets
- Chewable & Matrix Tablets (Sublingual Tabs)
- Coating: Particle, Powder, Pellets
- Combined Tech
- Registration Batch Manufacturing
- Topical Formulation Development

COATING

- O'Hara 15", 19", 24", 30"
- Accela Cota Coater 48" (2): 125kg

BLENDERS

- V-Blenders: 0.5qt, 1, 2, 4, 8, 16qt
- V-Blender: 1, 2, 3, 5, 10, 20, 40 cubic ft
- Bin Blenders: 128, 320, 800, 2100L
- Pedestal Tote 2992: 128L, 320L,(3) 800L
- Custom Powder Systems Bin (4): 2100L

MILL/SCREEN/SIEVE

- Fitzpatrick DAS06:(2) All Continuous
- Fitzmill: Continuous
- Quadro Co-mill 194S:(2) All Continuous
- Quadro Co-mill 196S, 197S (2), U5: Cont.
- SWECO Sieve: 18", 24", & 30" sizes
- Russel Finex Sieves:(3) Various Sizes

DRY GRANULATORS

- Alexanderwerk WP 120x40: 1-5 kg/hr
- Alexanderwerk RFG 150: 1kg Min Batch size (Continuous Feed)
- Fitzpatrick Chilsonator IR 520: 30-50kg/hr
- Fitzpatrick Chilsonator Unit #1 4LX10D (4x10 Rolls):(2) 80-100kg/hr

WET GRANULATORS

- Mini-Glatt w/ Microkit Insert: 5-350g
- Glatt GPCG-2: 0.75-2kg
- Glatt GPCG-30/60 w/ Wurster: 15-60kg
- ACG FBE 300/500 Combo: 150 kg, 250k
- Diosna P1-6 High Shear: 50-1500g
- PMA-1: 1-3kg
- PMA 150L High Shear: 40-60kg
- PMA 800L High Shear: 150-300kg
- AMF mixer 160qt Low Shear: >60kg
- AMF Mixer 340qt Shear: 100-140kg

FLUID BEDS

- GPCG-2: 3L & 6L Wurster, 6L Drying Bowl Attachment
- Glatt 30/60: 18" Wurster, 68L & 125L Bowl Attachments
- ACG 300/500: 202L & 367L Bottom Spraying, 397L Top Spray/ Drying Bowl, 517L Top Spray/ Drying Bowl

OVENS, FREEZE DRYER, SPRAY-DRYER

- Cascade Tek TFO-3 Ovens:(1) 1-8kg
- Lydon Drying Ovens:(2) 150kg

HOMOGENIZER

- Silverson L5M-A: 1ml-12mL
- BEE International Micro DeBee: 25L/kh
- Silverson LX60C: Continuous Feed
- Silverson 600UHL: Continuous Feed
- Silverson 600UHLS: Continuous Feed

TABLET PRESSES

- Korsch 100XL Press: 10,000/hr
- Fette 1200i Press: 172,000/hr
- Fette 1010 Press: 100,000/hr
- Fette 2020 Press: 259,000/hr
- Fette 2090 Press: 248,000/hr
- Fette 3030 Press: 1,080,000/hr
- Manesty Diamond:(2) 480,000/hr

ENCAPSULATORS

- Schaefer Lab-Cap 3000: 3,000/hr shift
- MG Planeta 50: 100,000/hr shift
- MG2 140: 140,000/hr shift
- MG Suprema Powder: 100,000/hr shift
- Fetton ProFill: Manual Encapsulation
- Fetton Capsule Fillers: 2,000/ hr shift

TANKS AND VESSELS

- Ekato LM6: 6L & SRT-80: 80L
- Scott Turbon: 200L
- MT-1 Jacketed Processing Tank
- Lee Kettles:(3) 200 Gallons
- Lee Kettles: 300 & 500 Gallons
- Mixer Direct Jacketed:(2) 450 Gallons
- Mixer Direct Jacketed: 2000 Gallons
- Transfer Tanks:(9) 150 Gallons

PACKAGING

- Auto-Pack For Bottles Line #1: Lakso 990 Slat Filler: <100 Bottles/min
- Auto-Pack For Bottles Line #2: Lakso 990 Slat Filler: <100 Bottles/min
- Auto-Pack For Bottles Line #3
- Bellatrix Vibratory: <30 Bottles/min
- Kalix Filler: 40 Tubes/min
- Accuro Filler: 40 Jars/min

ANCILLARY EQUIPMENT

- Safeline Metal Detector:(12)
- CPT-200 Dedust/Polish
- Key TD101-WD:(2) Deduster
- Kramer Tower: Deduster
- Pharmatron: Dedust/Metal Detector
- Gratex: Deduster
- Key: Disintegration Tester
- Distek GD-2: Disintegration Tester
- Flodex: Flowability Tester
- Logan TP2: Tap Density Tester
- Erweka AR200: Friabilator
- Sotax: Tap Density Tester

OTHER

- Coy Laboratory Products Isolation Glove Box:<5kg Batch Size
- Master Control EDMS System
- Form Weigh: Materials Management System
- E-Room: 24/7 Document Access
- Blue Mountain: Calibration Software
- Scientek Stability Software
- Mini Tab Software: DoE & QbD
- Flow Sciences FS 2024 BKDVA:(2) Ventilated Work Stations



GIVE US A CALL TODAY
+1 (423) 989-8000



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www.upm-inc.com



VISIT OUR SITE
501 Fifth Street, Bristol, TN

