



SOLID & SEMI-SOLID DOSAGE

- TABLETS
- PILLS
- MINI TABS
- CAPSULES
- BEADS
- POWDERS
- CREAMS
- OINTMENTS
- CYTOTOXIC
- HIGH POTENT
- HORMONES
- SCHEDULE I-V



UPM PHARMACEUTICALS IS AN AWARD WINNING INDEPENDENT, CONTRACT DEVELOPMENT AND PHARMA MANUFACTURING COMPANY WITH LONGSTANDING EXPERIENCE AS A **BIG PHARMA SUPPLIER IN ORAL AND SEMI-SOLID PRODUCTS.**



ANALYTICAL

- UPLC: (4) Diode Array Detectors
- HPLC: (44) UV-Vis, (2) RI
- Dissolution Testing: APP 1/2/3
- Solubility Screening
- Microbial Testing: USP MLT
- Potency & Particle Size Testing
- Impurity Identification
- Particle Size Determination (by laser)
- Excipient Compatibility Testing
- Hygroscopicity Studies
- Methods Qualification & Validation
- Controlled DS Testing (CI-V)
- (5) GC / (4) Headspace Analysis
- Disintegration Testing: (2) Baths
- ICP Mass Spectrometry
- Microwave Digestion Testing
- Elemental Impurities: USP <232><233>
- Method Development Testing
- Content Uniformity Evaluation: <905>
- Friability & Tap Density Testing

RESEARCH & DEVELOPMENT

- Sty'IOne Multilayer Press: 1,200 Tablets/hr
- Vector Freund TFC Compactor: 5g-1kg/hr
- Mini Glatt: 25-375g Batch Size
- Fitzmill L1A(SS): 360-9000RPM
- R&D Mini-Coater

FORMULATION

- API: d90 of NLT, 3 to NMT 350 Microns
- Molecule Size: Small to Medium
- IND, ANDA, NDA
- Phase I, II, III
- Immediate & Modified Release
- Delayed & Sustained Release
- Oral Disintegrating Release
- Chewable & Matrix Tablets
- Coating: Particle, Powder, Pellets
- Generic Bio Studies
- Combined Tech
- Registration Batch Manufacturing
- Mini Tablet Formulation
- Topical Formulation Development

COATING

- O'Hara 15", 19", 24", 30"
- Accela Cota Coater 48" (2): 125kg
- O'Hara Coater 60" (2): 225kg

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
- Ribbon Blender: 150kg/300L
- Ribbon Blender: 120kg/100L
- Ribbon Blender: 40kg
- Littleford Day Mixer: 600L
- 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:(4) All Continuous
- Quadro Co-mill 196S, 197S, 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
- Littleford High Shear Mixer 600L: 100-200kg

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:(2) 1-8kg
- Lydon Drying Ovens:(5) 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 P1200 Press: 172,000/hr
- Fette 2200 Press: 100,000/hr
- Fette 2090 Press: 248,000/hr
- Fette 3200i Press: 1,080,000/hr
- Manesty Diamond:(2) 480,000/hr

ENCAPSULATORS

- Schafer 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 s
- Feton ProFill: Manual Encapsulation Shift
- Feton Capsule Fillers: 2,000/ hr shift

TANKS AND VESSELS

- Ekato LM6: 6L & SRT-80: 80L
- Scott Turbon: 65L, 100L, 200L
- MT-1 Jacketed Processing Tank
- Keith Tank: 620L
- Lee Kettles:(3) 200 Gallons
- Lee Kettles: 300 & 500 Gallons
- Mixer Direct Jacketed:(2) 450 Gallo
- Mixer Direct Jacketed: 2000 Gallons
- Transfer Tanks:(9) 150 Gallons

ANCILLARY EQUIPMENT

- Safeline Metal Detector:(12)
- CPT-200 Dedust/Polish
- CPT-2000 Capsule Polishers
- 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

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: Lakso 450 Slat Filler:<60 Bottles/min
- Bellatrix Vibratory: <30 Bottles/min
- Kalix Filler: 40 Tubes/min
- Accuro Filler: 40 Jars/min

OTHER

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



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