



Glatt Air Techniques Inc.
 20 Spear Road
 Ramsey, NJ 07446 USA
 Tel +1 201 825 8700
 Fax +1 201 825 0389
 info@glattair.com
 www.glatt.com

Organic Solvent Processing – IPA, Acetone, Methanol, Ethanol
DEA Registration: Schedule I – V
DEA Vault: Commercial scale
DEA Import License

FLUID BED PROCESSORS

Equipment	Processing Inserts	Recommended Working Volume (Max WV)
GPCG 1	3.5 inch Wurster 6 inch Wurster 2-liter Granulator/Dryer/Coater 295 mm Rotor	0.4 – 1.3 L (1.6) 0.7 – 2.8 L (3.5) 0.6 – 1.6 L 0.9 – 3.6 L
GPCG 1.1	6 inch Wurster 2-liter Granulator/Dryer/Coater CPS™ Insert, CPS-3	0.7 – 2.8 L (3.5) 0.6 – 1.6 L 1 – 3 L
GPCG 3.1 (Aqueous & Organic Solvent Processing Capabilities)	6 inch Wurster 7 inch Wurster 10-liter Granulator/Dryer/Coater CPS™ Insert, CPS-3	0.7 – 2.8 L (3.5) 1.3 – 5 L (6.25) 3 – 8 L 1 – 3 L
GPCG 5 (Aqueous & Organic Solvent Processing up to 26g/min. pure)	7 inch Wurster HS 9 inch Wurster HS 22-liter Granulator/Dryer/Coater 485 mm Rotor	1.7 – 6.6 L (8.25) 2.8 – 11 L (14) 6.6 – 18 L 4.5 – 24 L
GPCG 10 (Aqueous & Organic Solvent Processing Capabilities)	9 inch Wurster HS 12 inch Wurster HS 50-liter Granulator/Dryer/Coater 60 liter Granulator/Dryer/Coater	4 – 22 L (27.4) 9.5 – 38 L (47.5) 5 – 40 L 8 – 47 L
GPCG 60	18 inch Wurster HS 32 inch Wurster HS 220-liter Granulator/ Dryer/Coater CPS™ Insert, CPS-30	20 – 82 L (102) 84 – 325 L (406) 60 – 176 L 18 – 56 L
GPCG 120 (Aqueous & Organic Solvent Processing Capabilities)	18 inch Wurster HS 32 inch Wurster HS 290-liter Granulator/Dryer/Coater 525-liter Granulator/Dryer/Coater CPS™ Insert, CPS-100	20 – 81 L (102) 84 – 325 L (406) 88 – 240 L 158– 420 L 60 – 100 L
GPCG 300	1020-liter Granulator/Dryer/Coater	306 – 816 L

HIGH SHEAR GRANULATORS

VG 25 (2)	Main Blade Mixing 25, 35 & 45 degree blade	Working capacity - 15 L
VG 200	Main Blade Mixing 35 degree blade	Working capacity - 120 liters

PAN COATERS

Equipment	Pan Size	Volume
GMPC II Multi Pan Drum Insert	16 inch Pan	2 L
	20 inch Pan	9 L
	24 inch Pan	24 L
	30 inch Pan	56 L
GCS-500 Perforated Pan	60 inch Pan	500 L

TABLET PRESSES

Equipment	Output
Carver Single Station Tablet Press	Manual
Korsch PH 100 6 station Rotary Press	180 – 420 tablets/minute
Fette 1200i 24 station Rotary Press	72,000 tablets/hour
Fette 2200i 36 station Rotary Press	240,000 tablets/hour

BLENDERS

Equipment	Bin Volume	Recommended
Glatt CML 10 Bin Blender	1.0 L	150 g – 400 g
	2.0 L	300 g – 800 g
	10 L	1.5 kg – 4.0 kg
PK 8 qt V Blender	7.5 L	1.0 kg – 2.0 kg
PK 2 ft ³ V Blender	56 L	7.0 kg – 17.0 kg
PK 5 ft ³ V Blender	142 L	18.0 kg – 40.0 kg
CM-1200 Bin Blender	35 L	5.0 kg – 14.0 kg
	250 L	37.5 kg – 100 kg
	400 L	60 kg – 160 kg
	500 L	75 kg – 200 kg
	1200 L	180 kg – 480 kg



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ENCAPSULATORS

Equipment	Capabilities	Output
H/H Encapsulator Modu C LS	Pellets / Powder / Mini Tabs Capsule Change parts: 00, 0, 0el, 1, 2, 3, 4	13K – 25K capsules / hour
H/H Encapsulator Modu C MS	Pellets, 00, 0, 1, 2, 3, 4	100k/hour
Torpac Manual Encapsulator	0,2	NA
IN-CAP Capsule Filler	Pellets: 00, 0, 1 all change parts Powder: 0, 1 all change parts	1500 and 3000 capsules / hour
Anritsu Capsule Weight Checker	Capsules Sizes: 00, 0, 1, 2, 3, 4 (supports elongated capsules)	40 – 60 K/hour

MILLS AND SIEVES

Equipment	Capabilities
GS Sieve – Conical Mill	Array of change parts
Fitzmill	Various screen sizes all change parts
Sweco Sieves (5)	24", 30" and 48", various screen sizes
Quick Sieves	Array of change parts
Dynomill	Zirconium milling medium
Sturtevant Micronizer	Model SDM4

MISCELLANEOUS EQUIPMENT

Solution Vessels - Jacketed and non jacketed. Various sizes up to - 500 liters
Lydon Oven – Tray drying oven, 80 trays (400 kilos)
Vertical Axis Centrifuge – Volume : 5.5 liters

PACKAGING EQUIPMENT: (submission batch size)

Dietz TC4 Electronic tablet/capsule counter
AutoMate AM-74 Induction Foil Cap Sealer/Lepak Cap Sealer
Imaje ink jet printer, Torque Tester

ANALYTICAL EQUIPMENT

HPLC Systems	Empower 3 software; PDA detectors
Dissolution Baths	Transfer modules to HPLC; on line capabilities directly to UV/Vis
UV/Vis Diode-Array Spectrophotometer	Manual analysis; single or multi-bath dissolution analysis
Total Organic Carbon (TOC) Analyzer	Water testing
Infrared Spectrophotometer (FT)	Raw material ID testing
Gas Chromatograph	Head space and direct injection capability
Scanning Electron Microscope	Newly purchased JEOL unit
Stability Chambers	25°C/60% RH; 40°C/75% RH; 30°C/65% RH
Malvern Particle Size Analyzer	Mastersizer 2000
Eyecon Particle Analyzer	Innopharma Technology