

ICT Production Capabilities / Equipment

Walnut Grove Manufacturing Site (Cartersville, GA)

7 Stainless steel reactors* (30 gal. to 5000 gal.)

5000 gallon stainless steel reactor - jacket, coils, overhead condenser, 100 psi, 20-150°C

3800 gallon stainless steel reactor - jacketed, 15 psi, 20-150°C

1250 gallon stainless steel reactor - jacketed, 20-150°C

1000 gallon stainless steel reactor - jacketed, coils, overhead condenser, 100 psi, 0-150°C

350 gallon stainless steel reactor - jacketed, overhead condenser, 100 psi, 0-150°C

80 gallon stainless steel reactor - coils, overhead condenser, 60 psi, 20-150°C

30 gallon stainless steel reactor - jacketed, overhead condenser, 30 psi, 0-120°C

5 Glass-lined reactors* (70 gal. to 2000 gal.)

2000 gallon glass-lined reactor - jacketed, 100 psi, 20-150°C

1500 gallon glass-lined reactor - jacketed, 100 psi, 20-150°C

400 gallon glass-lined reactor - with stainless steel agitator, 90 psi, 20-150°C

300 gallon glass-lined reactor - jacketed, 90 psi, 20-150°C

70 gallon glass-lined reactor - 7 psi, 20-150°C

2 Hastelloy reactors* (150 gal. to 500 gal.)

500 gallon Hastelloy reactor - jacketed, overhead Hastelloy condenser, 130 psi, 0-150°C

150 gallon Hastelloy reactor - jacketed, 150 psi, hot oil, 20-245°C

*Most of these reactors are on load cells

*Tempered water systems are available for all of these reactors

*Solids can be charged from bags and bulk bags

*Reactors with overhead condensers have receivers and are vacuum rated

Homogenization Capability

Storage Tanks (100,000+ gallons)



ICT Production Capabilities / Equipment

Riverside Manufacturing Site (Cartersville, GA)

6 Stainless steel reactors* (3000 gal. to 7700 gal.)

7700 gallon 316 stainless steel reactor - jacketed, coils, overhead condenser, 70 psi, 20-150°C

Reflux condenser and a short column (5 feet packed), solids charging capability

7700 gallon 316 stainless steel reactor - jacketed, coils, solids charging, 70 psi, 20-150°C

3500 gallon 316 stainless steel reactor - jacketed, coils, overhead condenser, 50 psi, 20-150°C

3000 gallon stainless steel reactor - jacketed, overhead condenser, 20-150°C

3000 gallon stainless steel reactor - jacketed, 75 psi, 20-150°C

3000 gallon stainless steel reactor - jacketed, 30 psi, 20-150°C

*Reactors are mounted on load cells and have variable speed on agitator

*Temperature range on reactors is 20-150°C

*Reactors with overhead condensers have receivers and are vacuum rated

Storage Tanks (200,000+ gallons)

Additional Equipment:

2 Blenders - ribbon, 70 cubic feet each

Rotary vacuum dryer (220 cubic feet, SS)

Cowles dissolver - tote/drum

2 Boilers - 120 psi

Nitrogen systems - bulk and generator

2 Cooling towers (250 ton and 700 ton)

2 Water Chillers (275 ton and 20 ton)

4 Vacuum systems - liquid ring

Allen Bradley control and automation systems

Tray dryer

Drum and tote heater

Cold storage

Basket centrifuge

Bag Filling equipment

Misc. Dust collectors

Filters - bag, pressure leaf

Jet Mill



ICT Production Capabilities / Equipment

Augusta Manufacturing Site (Augusta, GA)

- 30 SS Reactors/Vessels
- 4000 gal. glass reactor
- High Volume Capacity
- Readily Expandable
- Distillation Capabilities
- Vacuum Capabilities
- High Temperature Capabilities
- 2 Rail Sidings
- Truck Scales
- 150 Acre Site

