

# 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)



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## 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

