130 Ton RTM/SQRTM Press

A 130 Ton RTM & SQRTM press with both heating and cooling capability.

PressWare™ control software monitors and regulates heat, pressure, and time. PressWare controls the press in automatic mode by following a "recipe" to control clamping pressure, heating rate, tool temperature, and cure cycle hold time.

**Purpose:** Fabrication of precise high-tech composite aerospace components using RTM (Resin Transfer Molding), SQRTM (Same Qualified RTM), or compression molding.

### Specifications:

| **Heating Capacity:** | Maximum Temperature: 500° F (260 °C)  
Heating Rate: 10 °F/minute  
Multiple Thermocouple Inputs for trending and logging tool temperatures  
Multi-Zone Heating Platen with individual PID control and cooling |
|-----------------------|--------------------------------------------------|
| **Tool Adaptability:** | Adjustable daylight for tool heights from 1" to 20"  
Clamping Area / Tool Size starting at 36" x 24" |
| **User Interface:** | 17" Color Touch Screen with controls, trending, and alarm displays |
| **Automation:** | Radius PressWare™ Software for control and data acquisition  
14 Step programmable Ramp/Soak recipe control  
AB Compact Logix PLC |
| **Bolster & Platen:** | Clamping Force: 130 Ton  
Maximum Bolster Deflection at 250 psi: 0.005 in.  
Maximum injection pressure: 250 psi  
Platen Surface: flat and parallel to +/- 0.005" |
| **Vacuum Pump:** | 10⁻³ Torr with 0-20 Torr transducer  
Vacuum trap |
| **Power Requirements:** | *Electricity:* 480 VAC, 3 phase 60 Hz, 50 amps  
*Compressed Air:* 90 psi |
| **Optional Equipment:** | Electric Tool Shuttle  
Resin Injector  
Chiller - to re-circulate cooling water |