

185 Ton RTM/SQRTM Press



185 Ton RTM & SQRTM press with 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 Platens with individual PID control and cooling
Tool Adaptability:	Adjustable daylight for tool heights from 1" to 20" Clamping Area / Tool Size: 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 325 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:	<i>Electricity:</i> 480 VAC, 3 phase 60 Hz, 50 amps <i>Compressed Air:</i> 90 psi
Optional Equipment:	Electric Tool Shuttle Resin Injector Chiller - to re-circulate cooling water