

RHT-800 High Temperature Press



An 800° high temperature press with both heating and cooling capability.

Electrically adjustable bolster height facilitates quick "daylight" change to accommodate various tool sizes.

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, SQRTM, or compression molding.

Specifications:

Heating Capacity:	Maximum Temperature and Heating Rate: 800° F @ 10°/minute Multiple Thermocouple Inputs for trending and logging tool temperatures Multi-Zone Heating Platens with individual PID control and cooling
Tool Adaptability:	Electrically adjustable daylight for tool heights from 1" to 16" Clamping Area / Tool Size starting at 20" x 26"
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: 65 Ton Maximum Bolster Deflection: 0.005 in. Platen Surface - flat and parallel to +/- 0.005"
Vacuum Pump:	10 ⁻³ Torr with 0-20 Torr transducer
Power Requirements:	Electricity: 480 VAC, 3 phase, 50 amps Compressed Air: 80 psi
Optional Equipment:	Electric Tool Shuttle High Temperature Resin Injector Chiller - to re-circulate cooling water