

60 TON RF HYDRAULIC PRESS

The High Frequency Radio Frequency Press has reaffirmed **Thermatron's** reputation as the standard by which all others are measured. **Thermex Thermatron's** systems are engineered using the latest in radio frequency technology and deliver maximum efficiency and speed at minimal operating costs. Our units are versatile, dependable, rugged and heavy duty – from the low friction presses to the powerful, efficient, frequency-stabilized generators.



Model Pictured: F30-60H
High Pressure Radio Frequency Press

Features:

- An **Allen Bradley** Compact Logic PLC with Ethernet Capability and **Allen Bradley** HMI
- RF Generator housed in an aluminum cabinet with side hinged access doors for ease of inspection and maintenance
- AS-5 patented arc suppressor
- Down acting Hydraulic Press equipped with four hydraulic cylinders with a 4" by 18" stroke developing 60 tons of force on the press platens
- Two hand electrical OSHA-approved press safety system furnished with automatic platen stops for safety
- OSHA compliant mw/cm² shielding surrounds the RF electrode

Common Uses:

High pressure bonding,
laminating and curing.

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MATERIALS INCLUDE:

- Nomex
- Kevlar
- Aramid
- Polyester
- Wood
- Paper
- PET/PETG
- Polyurethane
- Epoxy
- ABS
- PVC (Vinyl)
- Methylacrilate (Acrylic)
- EVA/EVOH
- Cellulose acetate, butyrate, triacetate, CPET

SPECIFICATIONS:

RF GENERATOR	
Power Input	480 VAC, 60MHz, 3-phase
Power Output	20 - 40kW
Operating Frequency	16MHz
HYDRAULIC PRESS	
Bedplate	48" x 60"
Upper Platen	42" x 52"
Daylight	18"
Working Stroke	6"

APPLICATIONS INCLUDE:

- Honeycomb structures for aircraft
- Composite armor and ballistic panels
- Glass Lamination
- High pressure bonded composite laminations
- Solar panel and display lamination
- Laminated Veneer Lumber (LVL)
- Particle Board
- Medium Density Fiberboard (MDF)
- Resin bonded composite components for aerospace applications

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