

# THERMEX THERMATRON®

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## THERMATRON RF INLINE SYSTEM

**Thermex Thermatron, LP**, the foremost name in industrial Microwave and Radio Frequency equipment, is proud to announce a new addition to our RF family – the **Thermatron RF Inline System**. Every piece of our customized RF equipment is crafted with American pride and ingenuity, and design-engineered for top performance and durability.



### Features:

- Three PLCs with PC interface controls and advanced diagnostics monitor each of the five (5) stations
- Station 1: Unwind Stand
- Station 2: 15kW RF Welder
- Station 3: 15kW RF Welder
- Station 4: 20kW RF Welder
- Station 5: Automatic Indexer

**Common Uses:** Thermoplastic welding and heat sealing from rolled materials

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### SPECIFICATION HIGHLIGHTS:

|   |  |
|---|--|
| <b>STATION 1<br/>Unwind Stand</b>             | Holds three (3) rolls of material<br>PLC monitored supply level with low and out of material sensors<br>Lifting device to support up to 1000 lbs. of rolled material<br>Heavy duty frame with leveling screws<br>Web guide alignment device<br>Pneumatic dancer/relaxer system<br>Air filter, water trap, lubricator and pressure regulator with gauge   |
| <b>STATIONS 2 &amp; 3<br/>15kW RF Welders</b> | Each welder is equipped with an <b>Automation Direct DoMore PLC</b> with Ethernet Capability and Panelview KEP brand 7" HMI and 32 recipe capability<br>Heavy duty air operated C-presses with 15kW output RF Generators<br>Delivers 2825lbs. of force at 100-psi pressure<br>36 x 36 aluminum bedplates and 30 x 30 aluminum upper platens<br>Four (4) position platen-leveling adjustments<br>Two point RF Power Feed ensures equal voltage distribution for uniform sealing |
| <b>STATION 4<br/>20kW RF Welder</b>           | Each welder is equipped with an <b>Automation Direct DoMore PLC</b> with Ethernet Capability and Panelview KEP brand 12" HMI and 32 recipe capability<br>Heavy duty air operated C-press with a 20kW output RF Generator<br>Delivers 2825lbs. of force at 100-psi pressure<br>36 x 36 aluminum bedplates and 30 x 30 aluminum upper platens<br>Four (4) position platen-leveling adjustments<br>Two point RF Power Feed ensures equal voltage distribution for uniform sealing |
| <b>STATION 5<br/>Automatic Indexer</b>        | Monitored by Station 4 PLC<br>Modular pneumatic clamp-carrier indexer<br>Index stroke adjustable from 0" to 36"<br>Index accuracy +/- 0.125 of an inch<br>Three (3) mode operating switch – Index Only, Semi-Automatic, Full Automatic   |

### APPLICATIONS INCLUDE:

Medical Bags such as blood or IV cuffs, air or water mattresses, colostomy or enema bags, waste collection bags and many other medical products and devices

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