

ThermoTech 20 Pro Thermography Machine



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The ThermoTech 20-PRO is a modular Thermography machine capable of handling 50.8cm wide stock. The machine modules are: infeed conveyor/powder system, heater and cooler systems. The modules have independent variable speed conveyor drive controls mounted on a central panel.



The heater module incorporates an independent variable speed conveyor, stainless steel conveyor chain with 1" diameter self-aligning bearings and large diameter conveyor rollers. A "cleaning" roller is mounted below the heater to remove dirt from the stainless steel conveyor chain. The heater housing uses three, full width ceramic fibre heaters that provide 287cms of heat tunnel dwell and approx, 47,000 watts of heat (with a 440 volt power supply). It can be raised or lowered as required using a hydraulic mechanism. A second heater module can be added if required.

The cooler box cools the sheet as it is passes. This module has the same heavy duty drive system as the heaters and has two blowers mounted above and below the conveyor chain to give "vacuum hold-down". The cooler conveyor is adjusted from the main control panel and may be raised or lowered as required using a hydraulic lift. A paper eject mechanism accelerates and controls the stock as it is delivered at the end of the machine .

The Powder module is controlled from the main panel as are the heater and cooler modules. A removable, large capacity powder hopper is used with micrometer adjusted dual powder flow, single lever powder flow interrupt and drop gates to restrict powder flow across select areas of the belt.

The vacuum pickup head has large diameter "trackless" pickup wheels whilst a unique, operator side adjustment allows the space between the pickup head and the powder belt to be varied very quickly. Even whilst running! To give complete control to the user vacuum power can also be adjusted.

The main control panel is mounted on the Powder Module. All the electrical control components are mounted in this modules. Wiring provision has been made to allow a second heater module to be installed if required.

Specifications

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|---------------------|--------------|---------------|----------------------------------|
| Machine Length | 924 cms | UV Capability | Yes - requires optional UV light |
| Maximum Paper Width | 50.8 cms | Total Voltage | 440 Volts |
| Heater Wattage | 42,000 watts | Total Amps | 100 amps |
| Heater Length | 287 cms | Phases | 3 |