

APE NEW PRODUCTS Intruder Series Split Vision Manual Rework Systems

There are two variations in the Intruder series: The Intruder Lightning model 7500-5000 has a focal Bottom Heater whereas the Intruder Marksman 7500-7500 has a Panel Bottom Heat system. Each machine has a manual component-placement arm with a final precision touch-down stage. Programming and reflow functions are identical to the Sniper series of systems.

Thermocouples placed for profile development



Profiling

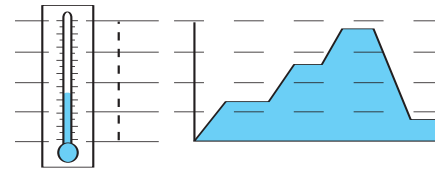
Each Intruder includes a sixteen (16) profile, sixteen (16) segment controller, which is easily programmed using an integral keypad. Alternatively the system can be controlled via an RS232 connection with an external computer.

Graphical Display Window (GDW)

External Computer software is optional on the Intruder Lightning and included with the Intruder Marksman. The software operates in a Windows-based environment. Profile Pattern Recipes are easily created, stored, recalled, and edited using a Graphical Display Window (GDW). Programs are automatically uploaded to the Intruder Marksman controller. Any number of profiles may be stored for future recall.

Simple Operation

It is not necessary to use the computer for general operation. To run a profile, the operator simply selects the profile pattern from the Controller panel and presses the "Run" key.



Intruder Specification:

Power	110-220V 1800 Watts
Current	25 Amps @ 110V, 15 Amps @ 220V
Dimension	21.75" x 29.12" (552 x 740 mm)
Board Holder Lightning	Frame 8" x 12" (203 x 304 mm)
Board Holder Marksman	Frame 15" x 17" (381 x 431mm)
Reflow Nozzles included	Three Nozzles of Choice
Preheat Nozzles included	Two included
Temperature	Select Celsius or Fahrenheit
Reflow Air Velocity	Internal Motor <12.7 CFM
Component Pick Up	Internal Pump -Shop Air option
Controller	On Board Computer
Profile Generation Marksman	Pentium IV with 17" Color Monitor
Monitor for Lightning	13" Color Display
Program Development	Thermo Couple Bank on Marksman
Board Alignment	Micrometer Controls
Reflow Operation	Close Loop
Maximum Board Size	16" x 20" (406 x 508 mm)
Weight	125 lb (56.81kg)
Communication	RS232 Sniper II Only
Operational Software	Included on Marksman