



Technologies
CORPORATION

Tru



Track

Pat. #6,042,648

circuit techniques

LANTRONIC

LANTRONIC® has a long standing reputation as a manufacturer of high quality Hot Air Solder Leveling Systems. An on going research and development program in partnership with ACS Technologies has resulted in the latest generation of Lead Free Solder Hot Air Leveling Systems featuring the patented Tru Track Clamping System.

Lantronic Hot Air Solder Leveling Systems are built to the highest standard. Simple operation and maintenance procedures are features of the machines, with many models to suit all sizes of manufacturer requirements. All Lantronic Hot Air Solder Leveling Systems are designed with operator safety and simplicity in mind. All systems are fully enclosed with stainless steel interlocked doors and a safety window which closes during operation. All covers are easily removed to allow access for cleaning and maintenance. The specially designed Tru Track Clamping System eliminates the need to punch holes and the fully adjustable Air Knives leave the finish that you and your customers require. The Tru Track Clamping System was developed to support both the top and bottom of PCB's when processed at the 45° angle.



Tru Track Clamping Assembly

The revolutionary clamping system, when leveling the panels at the 45° angle, clamps the top of the PCB while bottom of the PCB is supported by the Tru Track. The standard clamping technique only clamps the top of the PCB and has no bottom support. We have found that supporting the PCB at the bottom guides the PCB instead of pushing the PCB into the solder pot like most traditional clamping systems do. This breaks the surface tension of the solder pot and eliminates the PCB from bowing, which gives a more front-to-back uniformity. The up and down movement of the clamp assembly is AC motor driven for a more precise travel of the clamp assembly.

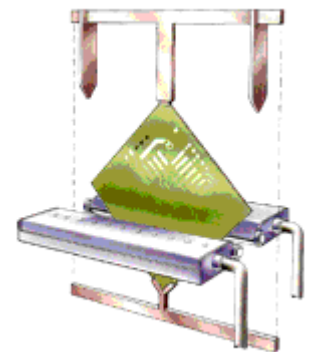
Air Knife Adjustments: Both the front and rear Air Knife angle and distance can be adjusted and are independent of each other. They can be easily removed from the Air Knife Chamber for complete access to the Solder Pot. The temperature of the Air Knives are adjustable as well.

Clamp and Air Knives: The Clamp and Air Knives are constructed out of high grade titanium.

Construction: Balance of system constructed of stainless steel.

Automatic Safety Door: Ensuring the safety of the operator during the leveling cycle.

Warranty: 6 month parts, FOB our factory.



Model TT30 Standard Features:

The Model TT30 is built to meet the latest requirements for solder leveling. It combines high quality performance, repeatability, and reliability at a minimal cost. The construction and the newly designed package make's the machine easy to operate and maintain.

Programmable Logic Controller (PLC)

- The **Allen Bradley** PLC controls and or monitors all the functions of the Model TT30 system.

Operations Parameter Display

- The **Allen Bradley** display, displays the present value of the Solder Pot and Air Knife temperature at all times. It will display the set value of the Solder Pot and Air Knives, the selected Dwell Time of the Solder Pot and the selected Level Time of the Air Knives. In addition, you can adjust the up and down speed of the Tru Track Clamp Assembly.

Amperage Meters

- Three amperage meters, one per leg to monitor the amperage draw of the Solder Pot at all times. This eliminates the need for the maintenance person to stop production, if he feels the need to take an amperage reading. The displays are right there!

Manual Functions

- Operator can manually blow or open/close the Air Knives, position the Tru Track Clamp Assembly or the Clamp in either the up or down position and close the Safety Door while the machine is not in operation.

Technical Features:

Max Dimensions of the PCB:	30" x 30" - 762 x 762 mm
Max at 45 Degree Angle:	18" x 24" - 457 x 610 mm
Max Thickness of the PCB:	.250" – 6.5 mm
Dimensions of the Machine:	76"x 99"x 30" - 1935 x 2500 x 760 (L x H x D)
Weight of the Machine:	± 1,760 lbs - 800 Kilo
Solder Pot Capacity Tin/Lead:	± 1120 lbs - 510 Kilo
Solder Pot Capacity Lead Free:	± 985 lbs - 448 Kilo
Power supply:	3 Ph., 220VAC, 60 Hz, 70 Amps
Compressed Air:	100 – 120 PSI, 60 - 80 CFM, 1 ¼" air line
Exhaust Extraction:	1200 CFM - 2000 m3/hour
Diameter Extraction Duct:	7 ⅞" - 200 mm
Machine Construction:	304 Stainless Steel

Levelers

Model	Max. Panel Size (inches)
206	24 X 24
205	24 X 24 PLC
TT24	24 X 24 PLC- Tru Track Clamp Assembly
TT30	30 X 30 PLC- Tru Track Clamp Assembly

The Hot Air Leveling range starts with compact relay controlled machines and progresses through to sophisticated PLC controlled systems. To complement the range of HASL systems, ACS offers a complete line of Horizontal Pre/Post Cleaning Systems, Fluxing Systems, Dryers, and Material Handling Systems.



(479) 846-2403

At ACS Technologies we are committed to honesty and integrity in all our relationships, Leading the industry in technology through world class manufacturing, quality products, exceptional customer service and guaranteed satisfaction.