



ENGINEERING ▪ PROJECTS ▪ CONSULTANCY
PCB INDUSTRY ▪ MECHANICAL ENGINEERING ▪ DESIGN

HOT AIR SOLDER LEVELER

HASL NTO-1824LF

The Hot air solder leveler model NTO-1824 is built to meet the current performance criteria. High quality, simple operation and maintenance at minimum costs is giving this machine access to both small and large volume production facilities.

Special attention has been given to those typical critical areas resulting in this high quality and reliability machine, in order to secure the superior quality of Hot Air Solder Leveled Printed Circuit Boards in the following years. The soldering machines of New technology Overman is specially designed for the new requirements in PCB manufacturing.

Easy accessibility to clean the solder, maintenance friendly, simple operating, easy acces to the removeable solder pump. Available as PLC (Siemens TIA Portal prograded) controlled with Touch panel.



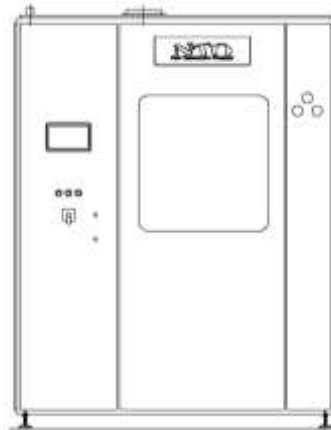
TECHNICAL DATA:

Type :	NTO-1824LF
Application :	<i>Tin / Lead solder and Lead free solder</i>
Construction :	<i>All stainless Steel, except for standard components of other materials.</i>
Dimensions (LxWxH) :	<i>1900 x 1000 x 1900mm - 74,8 x 39,4" x 74,8" inches</i>
Weight (Kg – Lbs) :	<i>± 700 Kg. – 1543 Lbs</i>
Max. Panel size (mm – inch) :	<i>460 x 530mm - 18" x 21"</i> <i>(Optional : 460 x 610mm - 18" x 24" when using Top guides)</i>
Max./Min Panel thickness (mm – inch) :	<i>0,8 - 6mm / 0,03 x 0,24 inch</i>
Capacity	<i>Up to 200 panels/hour.</i>
Power	<i>3 x 380 VAC 50 Hz., 29kW. - 3 x 220 VAC 60 Hz., 29kW</i>



ENGINEERING ▪ PROJECTS ▪ CONSULTANCY
PCB INDUSTRY ▪ MECHANICAL ENGINEERING ▪ DESIGN

Type :	NTO-1824LF
Control	<i>PLC, electrical, pneumatic</i>
PLC	<i>Siemens Touch panel, all production parameters in PLC , pre-selectable programs, easy to operate.</i>
Compressed air (bar – PSI) :	<i>6-8 bar, 50 m³ /hour, 300-500 ltr. air accumulator recommended. 87 - 116 PSI, 30 cfm, 68 -113 gallons air accumulator recommended. (1¼" input line)</i>
Exhaust (m3 /hour - Cfm) :	<i>approx. 1800-2000 m³ /hour - 1060-1180 cfm</i>
Solder capacity (Kg - lbs) :	<i>Lead free : ± 270/300 Kg. - 600/660 lbs Lead/Tin : ±305/340 Kg. - 675/750 lbs (lead/Tin or Tin, Electronic Quality recommended)</i>
Solder pot :	<i>Solder pot complete made of inox 316 material. Overflowing inner-pot with re-circulation pump. Spent flux overflow drain system. Solder pot complete insulated</i>
Solder pump :	<i>Stainless steel re-circulation pump with two variable speed.</i>
Solder pot Heating :	<i>Strip-heaters, PID temperature controlled by PLC, low and high alarm and over temperature safety lock.</i>
Heat Exchanger (Air knives) :	<i>Strip-heaters, PID temperature controlled by PLC, low and high alarm and over temperature safety lock.</i>
Air knives :	<i>Stainless steel or Titanium, release / lock mounting system; Self-cleaning; Adjustable orifice, distance, off-set and angle. Front panel pilot controlled pressure regulation with gauges.</i>
Clamp actuation :	<i>Foot pedal controlled pneumatic systems.</i>
Clamps :	<i>Frame supported and guided clamp system, with adjustable rail mounted fixture. Stainless steel or Titanium clamping system. OPTIONAL : 45° CLAMPING SYSTEM</i>
Up/down movement :	<i>Linear unit with drive motor controlled by PLC (variable speed controlled), 1 or 2 cycles programmable, different panel size starting positions are selectable</i>
Safety :	<i>Automatic operator safety window, safety switches on all doors, CE certificate.</i>



MADE IN NL