

# 十温区氮气回流炉 BTU

产品名称	十温区氮气回流炉 BTU
公司名称	北京科信拓达科技有限公司
价格	.00/个
规格参数	品牌:BTU 型号:PYRAMAX100N 用途:回流焊工艺
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## 产品详情

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用途 回流焊工艺

btu international ?specification: model 100nreflow solder system date: 3/14/2008model 100n.doc specifications subject to change without noticerevision level: 2copyright?btu international 2008 page 1 of 3a. general specificationsmaximum temperature rating: 350癯nominal operating temperature: 80-350癯number of controlled heated zones: 8 top 8 bottomoven atmosphere: air/n2working dimensions:conveyor belt 18 in. 457 mmproduct clearance 2 in. 51 mmb. dimensional layoutdescription inches centimetersentrance lip vent exhaust and inert baffle curtain 26 66.0zone 1 12.5 31.8zone 2 12.5 31.8zone 3 12.5 31.8zone 4 12.5 31.8zone 5 12.5 31.8zone 6 12.5 31.8zone 7 12.5 31.8zone 8 12.5 31.8total heated length 100 254.0cooling transition vestibule 3 7.6cooling zone (top and bottom) 28 71.1exit inert baffle curtain and lip vent exhaust 26 66.0total system length 183 464.8total system width 60 152.4total system height(assumes 36?hearth line)60 152.4c. process chamberheating section.. heating is accomplished via forced impingement convection with side to side gas recirculation.forced convection is provided by a proprietary blower system... each zone utilizes btu掙 porcupine ii heating element. this element features a low mass, highsurface area open coil wire arrangement for fast response time and high reliability... zones 1, 2, 7 and 8 employ 5-kilowatt heating elements top and bottom. zones 3, 4, 5 and 6employ 2.7 kilowatt heating elements top and bottom. 5-kilowatt heating elements are availablefor all zones as an option... oven loading capability is 2 lbs/ft2 (10 kg/m2) based on a nominal conveyor speed of 32 in/min.(81.3 cm/min.). with optional 5kw heaters in all zones the loading capacity increases to 3 lbs/ft2(15 kg/m2).. the process chamber is a clamshell design and includes the capability to process large formatprinted circuit boards up to 18 x 24 inches (457mm x 610mm). 24 x 24 inch (610mm x 610mm)board capability is available as an option... cross belt temperature uniformity is within a 40 c delta t in the reflow zone. (using standard btuuniformity test board).. zone to zone temperature isolation is greater than 600 c between zone 6 and zone 7 transition... access to the process chamber is accomplished via powered hood lift actuators.cooling section.. two (2) cooling zones are provided (1 top / 1 bottom). four cooling zones optional... cooling is accomplished via top and bottom forced convection cooled by a water heat exchanger... cooling water flow fail alarm and water detection are standard.. closed loop cooling control is available as an option.btu international ?specification: model 100nreflow

solder system date: 3/14/2008 model 100n.doc specifications subject to change without notice revision level: 2 copyright? btu international 2008 page 2 of 3d. conveyor system conveyor belt belt width 18 in. 45.7 cm material 302 stainless steel flat flex conveyor speed range 10 - 60 in/min. 25.4 ? 152.4 cm/min. conveyor speed nominal 32 in/min. 81.3 cm/min. product clearance 2 in. (3 in. optional) 51 mm (76 mm optional) drive motor 1/16 hp / brushless dc conveyor height from floor 33 - 39 in. 839 - 991 mm rail edge conveyor (optional) material #35 steel roller chain width 2 ? 18 in. 5.1 - 45.7 cm support pin length 0.187 in. (std) 4.7 mm (std) pin to pin distance 0.375 in. 9.5 mm support pin height (clearances) 1.2 in. above pin 0.8 in. below pin 30.5 mm above pin 20.3 mm below pin rail parallelism 0.040 in. 1.0 mm rail height from floor 33.8 in. ? 39.8 in. 859 mm ? 1011 mm.. programmable (recipe controlled) width adjust is included with the optional rail edge conveyor... programmable multi-port lubricator is included with the optional rail edge conveyor... belt deviation detection via programmable deviation alarm... belt topped? alarm is standard with over torque protection provided via slip clutch... alarm and motion messaging via wincon?e. oven control temperature control.. temperature control is accomplished by sixteen (16) pid control loops of the oven control unit (microprocessor) and windows? wincon? operating software. each zone is divided into independent top and bottom control. temperature control accuracy is + / - .5?c no-load... optional cooling control is accomplished by varying blower speed. cooling rate control is selected via wincon? software allowing the user to select the cooling rate... process over temperature protection is accomplished via wincon? software using programmable alarm limits. power to the heaters is removed if the temperature exceeds the high alarm limit... redundant independent electronic over temperature protection is standard. in the event of an over-temperature condition, power to the heaters is removed and audible/visual alarm activates. the conveyor continues to operate in this condition. operator interface.. controls are located on the right hand side as viewed from the oven entrance... the computer keyboard and flat panel display are located at the entrance front of the oven... programming is accomplished via btu ? wincon software. wincon operates on the windows? xp platform... thermal profiling can be accomplished using the three dedicated thermocouple inputs located at the oven entrance. btu is compatible with kic and ecd as an integrated software solution... four (4) emergency power off buttons are provided, two (2) are located at the loading and two (2) at the unloading sections... a four color light tower to monitor the oven status is standard. indicators are red ? alarm condition, yellow ? set-up or alert condition, green ? ready condition and blue ? n2 on... smart tracker provides an entrance and exit photocell, which senses product entering and exiting the oven. this allows the system to count products for a given recipe, detect product drop/lost and display a graphical view of the products. in the event of a product drop, an alarm will sound... smart tracker also manages the oven smema ready/busy logic for up and downstream communications to other equipment in the assembly line... automatic shutdown sequencing is standard. btu international ? specification: model 100n reflow solder system date: 3/14/2008 model 100n.doc specifications subject to change without notice revision level: 2 copyright? btu international 2008 page 3 of 3f. atmosphere system gas distribution system.. the atmosphere system allows for operation in either air or nitrogen atmospheres. process gas is delivered via flow meters located at the front exit area of the oven. qty. location 1 entrance curtain top/bottom 1 zone 1 top/bottom 1 zone 5/6 top/bottom 1 zone 7/8 top/bottom 1 cooling zone 1 exit curtain top/bottom.. nitrogen containment capability = 50 ppm above source gas purity in the heated section. the cooling section containment to = 100 ppm above source gas purity... a dual atmosphere inlet provides programmable switching between process gas atmosphere. this is accomplished via the wincon software and gas solenoid valves, which switch between the selected process gas of air or nitrogen... a nitrogen gas idle mode reduces n2 consumption when the oven is not running product.g. utility requirements (electrical power based on std. heater config. see installation drawing for final power) voltage startup power operating power 208 3? / 3 wire 49 kw 14-17 kw 220 3? / 3 wire 54 kw 14-17 kw 230 3? / 3 wire 59 kw 14-17 kw 240 3? / 3 wire 65 kw 14-17 kw 440 3? / 3 wire 54 kw 14-17 kw 480 3? / 3 wire (std) 65 kw 14-17 kw 380/220 3? / 4 wire 54 kw 14-17 kw 400/230 ? / 4 wire 59 kw 14-17 kw 415/240 3? / 4 wire 65 kw 14-17 kw utility supply pressure maximum flow rate nitrogen 60 psi / 4.13 bar 1200 ft<sup>3</sup>/hr / 34 m<sup>3</sup>/hr water supply 30 psi / 2.0 bar 4 gpm / 15.1 lpm exhaust entrance 0.1 - .05 iwc 300 ft<sup>3</sup>/min / 8.5 m<sup>3</sup>/min exhaust exit 0.1 - .05 iwc 300 ft<sup>3</sup>/min / 8.5 m<sup>3</sup>/min (note: consult final installation drawing for precise specifications. this is to be used as a guide).. electrical values are estimated. actual startup power may vary depending on oven configuration. operating power is typical and dependent on product loading. soft start power limiting is possible via wincon? software and should be specified at time of order.h. physical characteristics.. standard color: pillar white.. dry weight: 4,700 lbs. / 2,136 kg.. shipping weight: skid: 5,200 lbs. / 2,364 kg crate: 5,800 lbs. / 2,636 kgi. documentation.. system includes btu ? electronic documentation package, which is shipped on the oven pc and on compact disc. the package includes:.. user and

maintenance documentation.. troubleshooting and repair documentation.. part identification software.. 1 hard copy manual