Vector 460
Selective Soldering System

www.epakelectronics.com
Designed for high mix, high value, and low to mid volume PCB production, the Vector 460 selective machine can be programmed in minutes to handle basic to complex dip, drag, wire bond, and other through-hole soldering processes. The Vector 460 features best-in-class servo motion control for speed, accuracy, and repeatability. The closed loop temperature control of N2 allows for superior thermal performance. Miniwave nozzles allow for wave stability and defect free performance.

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Operation
X/Y/Z Control: Standard
Interpolated Motion: Simultaneous X, Y, and Z
Process Range: 18 x 18’ | 460 x 460mm
Programmability: Unlimited program storage capacity
Min/Max PCB Size: 1 x 3” to 20 x 24”
Computer and Monitor: Included | Windows 7/10

Solder Process Control
Load Method: Manual | Universal PCB Holder Standard (SMEMA Option)
Approach: 360° | Unlimited Access to All Solder Points
Nozzle Material: Wetted Chromium Alloy
STD Nozzle Sizes: (ID) 1.5, 2, 2.5, 3, 4, 5, 8, 10, 20 mm & Custom
Keep Away: 1.5 mm Standard | 0.5 mm Capable
Max Wave Height: 6 mm Standing Wave Height
Component Max Height: 3” | Top & Bottom of PCB

 Flux Process Control
   Flux Capacity: 1 Liter Pressurized
   Drop Jet Flux: STD, No Clean Process
   Spray Flux: STD, Water Soluble Process
   Dual Chemistry: Option

Solder Pot Management
   Solder Pot Capacity: 30 lbs | 13.5 kgs
   Temp Control: PID proportioning (0-400°C) ± 2°C
   Dross Production: 1.5 Ounces per 8 Hours
   Maintenance Cycle: 80 Hour Pump Clean

Nitrogen Management
   N2 Intention: Hentec PROHeat™
   N2 Temp Control: 0-500 ºC Closed Loop Set Point
   Consumption: 30-40 SCFH
   Recommended Purity: <10 PPM O2/H2

Free software upgrades | 2 year system warranty | 4 year solder pot warranty

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