



Rhythm Selective Soldering System

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

Rhythm

Selective Soldering System

Operation

X/Y/Z Control	Closed Loop Servo Motors
Interpolated Motion	Simultaneous X, Y, and Z
Max Process Range	12 x 18" 304 x 457 mm
Min/Max PCB Size	1 x 3" to 18 x 18" 25 x 76 mm to 457 x 457 mm
Computer & Monitor	Windows 7 PC Offline RPS CamConductor™ Programming

Solder Process Control

Load Method	Manual Universal PCB Holder
Approach	360° Unlimited Access to All Solder Points
Nozzle Material	Wetted Chromium Alloy
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

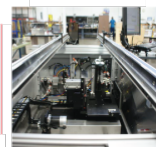
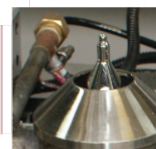
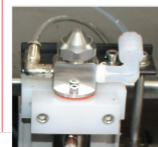
Spray Flux	Standard Stainless Steel EFD™ 3 – 30 mm
Flux Capacity	1 Liter Pressurized
Drop Jet Flux*	Option
Dual Chemistry*	Option

Solder Pot Management

Solder Pot Capacity	30 lbs 13.5 kgs
Temp Control	PID proportioning (0-400°C) ± 2°C
Heat Time	45 Minutes
Dross Production	1.5 Ounces per 8 Hours
Maintenance Cycle	80 Hour Pump Clean

Nitrogen Management

N2 Inertion	RPS DirectHeat™
N2 Temp Control	0-500 °C Closed Loop Set Point
Consumption	30 CF
Required Purity	<20 PPM O2H



RPS

BE SELECTIVE™