



**RPS**  
BE SELECTIVE™



## Rhythm Slide Selective Soldering System

Based on the popular Rhythm System, the Rhythm Slide is a high performance miniwave selective soldering system for through hole Processing. With a range of 12 x 12", the system performs precise drag and dip soldering using an RPS miniwave and a high durability EFD flux nozzle; both nozzles articulate below the PCB. A second solder pot can be hot-swapped for lead and lead-free processing.

# Rhythm Slide

## Selective Soldering System

### Operation

X/Y/Z Control Closed Loop Servo Motors  
 Interpolated Motion Yes Simultaneous X, Y, and Z  
 Max Process Range 12 x 12" | 304 x 304 mm  
 Min/Max PCB Size 1 x 1" to 14 x 14" | 25 x 25 mm to 355 x 355 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

