



RPS
BE SELECTIVE™



FRX16 Selective Soldering System

Introduced in January of 2013 as the first machine in the budget-friendly RPS FRX Economy Line, the FRX16 provides a consistent, repeatable, process while maintaining a price point that is very economical. The machine has a standard process range of 16x16" (406x406mm), and performs precise drag and dip soldering using the RPS Gaussian Miniwave™ and RPS's proprietary DirectHeat™ nitrogen inertion system. The FRX is equipped with a batch load configuration, spray flux, and can be configured for lead or lead-free processing.

FRX16

Selective Soldering System

Operation

X/Y/Z Control Stepper Motors
 Interpolated Motion Simultaneous
 Max Process Range 16 x 16" | 406 x 406mm
 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
 Max Wave Height 6mm 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 60 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 35 CFH
 Required Purity <20 PPM O2H

