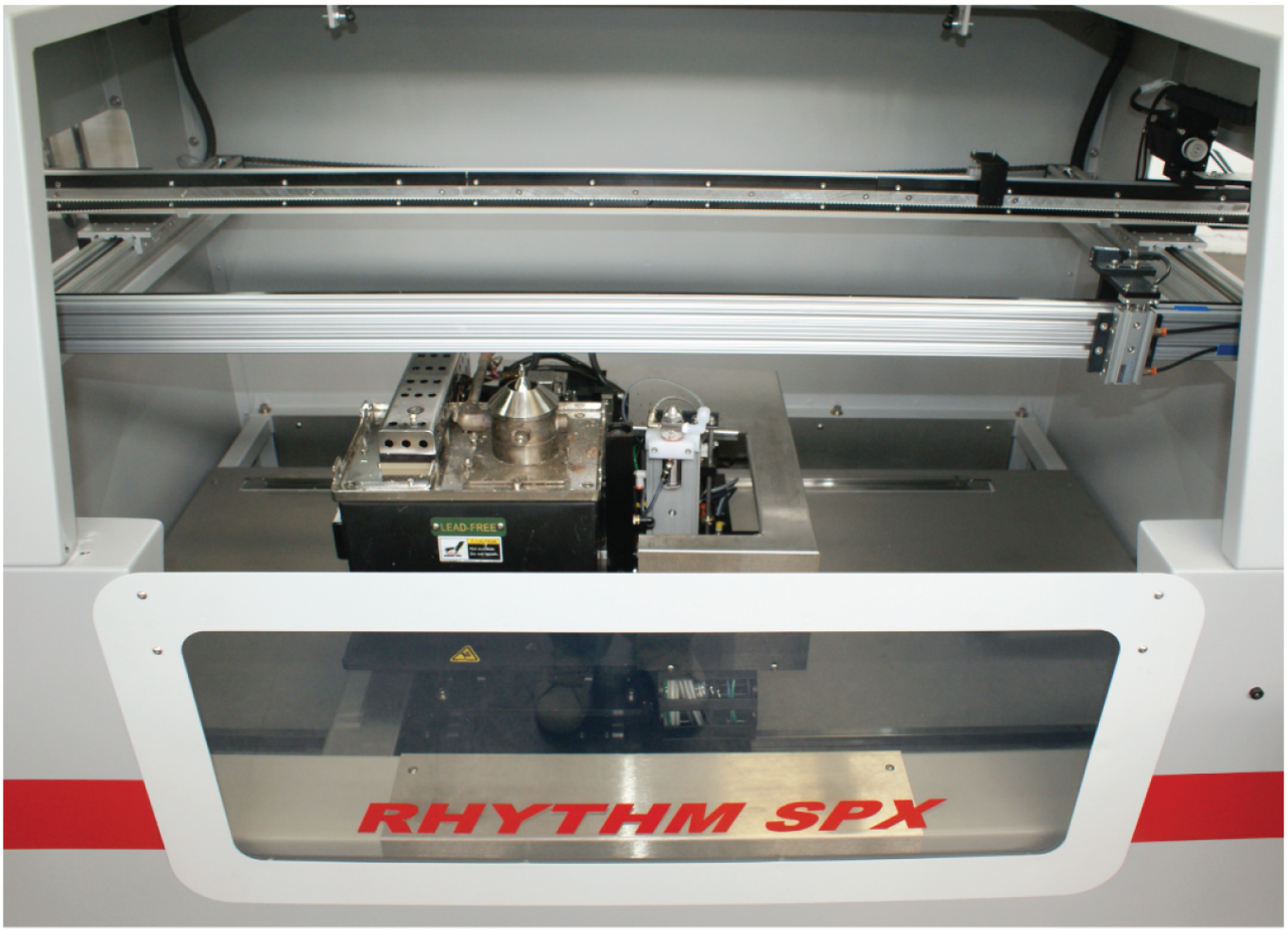
RPS
BE SELECTIVE™



Rhythm SPX

Selective Soldering System

The SPX Selective Soldering System handles basic to complex dip, drag, wire bond, and other through-hole soldering processes. The SPX features best-in-class servo motor motion control for speed, accuracy, and repeatability. The nitrogen inertion process uses closed loop temperature control for superior thermal performance. Innovative miniwave nozzle designs provide wave stability and defect free performance. The SPX system utilizes a graphical interface for simple programming and operation.

Rhythm SPX
Selective Soldering System

Operation

X/Y/Z Control	Closed Loop Servo Motors
Max Process Range	24 x 24" | 600 x 600 mm
Min/Max PCB Size	1 x 3" to 24 x 24" | 25 x 75 mm to 600 x 600 mm
Computer & Monitor	Windows 7 PC | Offline RPS CamConductor™ Programming

Solder Process Control

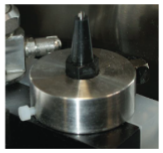
Load Method	Manual (Inline SMEMA Auto-Load Option) | Universal PCB Holder
Nozzle Material	Wetted Chromium Alloy
Nozzle Sizes	1.5 - 20 mm & Custom
Keep Away	1.5 mm Standard | 0.5 mm Capable
Max Wave Height	6 mm Standing Wave Height

Flux Process Control

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

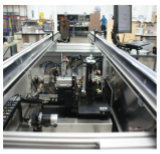
Solder Pot Management

Solder Pot Capacity	35 lbs | 16 kgs
Temp Control	PID Proportioning (0-400°C) ± 2°C
Heat Time	45 Minutes
Dross Production	1.5 Ounces Per 8 Hours



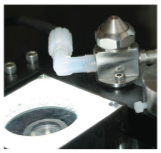
Nitrogen Management

N2 Inertion	RPS DirectHeat™
N2 Temp Control	0-500 °C Closed Loop Set Point
Consumption	30 SCFH (ft^3) | 0.85 CMH (m^3)
Required Purity	<20 PPM O2H



Facilities

Footprint	63 x 64 x 49" | 1600 x 625 x 1145 mm
Weight	1100 lbs | 500 kgs



1 Year System Warranty | Lifetime Solder Pot Warranty | Made in the USA

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