ICSF
Select6

Our innovative selective jet fluxer offers a high speed, high precision, real selective fluxing process for both wave soldering and selective soldering processes. The machine is designed to optimize the amount of flux for each individual solder joint, maintaining the required cycle times, even for high volume wave soldering.

Our customers have access to total flux process control as needed for today's increasingly demanding and complicated soldering requirements, especially for lead-free processes, and benefit from important flux savings, increased board cleanliness and reliability, and flexible programming among other benefits.

$ **M**aterial Cost **R**eduction

✔ **I**mproved **C**leanliness

✔ **I**mproved **R**eliability

Environment **F**riendly

</> **I**ntuitive **p**rogramming

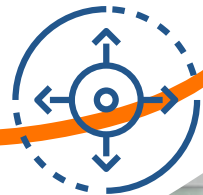**A**utomatic Flux **J**et Detection

Smart Product **P**ositioning

Industry 4.0 **r**eady

Now with :

NEW

High speed, High precision jet valve

INTERFLUX ®
Singapore

ask@interflux.com.sg
intelligentfluxing.com

Intelligent Fluxing

ICSF-Select6

Product Size, L x W	610 x 610mm or 920 x 610mm (with oversized boards software option)
Dimensions, W x D x H	1,000 x 1,240 x 1,670mm
Weight	600kg
Machine Frame	Welded
Conveyor Type	Horizontal or slanted (option) SS316 5mm pin chain conveyor
Conveyor Length	1,000mm
Conveyor Height	SMEMA height 930mm ±30mm
Conveyor Width	Automatic adjustment by software: Max 610mm
Conveyor Speed	Incoming/outgoing: 10 to 300 mm/s (separate software setting)
Pass Through Direction	left to right or right to left. Software setting, NO mechanical change over
Product Positioning	Patented soft stop with 2 step detection by Laser Sensor (No mechanical Stopper)
Safety	Safety circuit with front and back emergency stop buttons, front and back door with individual contacts and feedback to software. CE certified
Power Supply	1-Phase, 200-240V AC, 50/60Hz, 13A
Compressed Air Supply	Compressed air NOT required
Exhaust Requirement	Exhaust NOT required. 100mm diameter exhaust connection available.
XY Linear Axis System	High speed, high precision, servo-controlled belt drive
Speed	Max. 1,500mm/s
Accuracy	±0.25 mm
Repeatability	±50 µm
Flux types	ALL types; water based, water soluble, alcohol based, rosin based, …
Maximum Solid Content	40%
Flux Supply	Patented variable flow, volume and pressure system with supply pump and NEW high speed control valve
Flux Flow	Variable for each programmed location on the board. Controlled by software setting and flux supply pump
Flux Volume	Variable for each programmed location on the board. Controlled by software settings, valve controller and high-speed flux valve.
Flux Pressure	Manually adjustable pressure setting
Nozzle Type	Jet nozzle, 186µm hole size - NEW high speed, high precision jet valve
Nozzle Quantity	Single or double (option, for 2 different fluxes) jet nozzle
Nozzle Material	made of stainless steel, PEEK, PPS, sapphire with EPDM seal material
Flux quantity control	Through valve opening time: 0.35 to 10 ms. The flux quantity is also related to the flux type and properties.
Flux Nozzle Cleaning	Automatic, programmable flux nozzle purging to prevent nozzle clogging
Flux Jet Control	Patented flux drop check by laser guarantee the correct application of each drop. (Optional)
Flux Quantity Measurement	Software function for accurate flux quantity measurement. A separate precision weighing scale is required.
Flux Tank	Stainless steel, 10 or 3 liters
Tank Quantity	1 or 2 (optional), additional tanks with or without couplings for quick tank exchange also available
Flux Level Detection	Contactless low-level switch and alarm for each tank
Flux Tank Drain	Automatic drain of supply system and tank by software function with operator prompts
Machine Software	PLC controlled, can run independently from the PC Software in case PC breaks down
Programming Software	Windows 10/11 PC with Flux Designer software package, with on and offline programming, picture editing and machine control
Programming device	PC with Microsoft Windows 10/11 operating system
User Security	3 user levels, each with defined access level and a programmable user list
Programming Base	Point and click programming. JPEG, BMP, GIF, DXF picture import. For CAD and GERBER files a screen print is recommended.
Picture Editing	Editing software integrated in main software: four-point stretch, rotation, mirroring, brightness & contrast control
Flux Library	Database with default programming values for each type of flux
Flux Programming Options	Dots, lines, multi-lines, and areas. Parameters can be set for each individual dot, line or area
Flux Programming Functions	Copy, paste, copy with base point, rotation, line up, zoom, etc.
Program Optimization	Software function to optimize flux application routing
Flux Mode	Standard (stop & clamp, highest precision) and continuous (no stop, highest throughput) fluxing modes
Alarms and Events	Current alarms, alarm history, software events, machine events and security events
Barcode Options	Different barcode options are available for automatic program selection, program verification and traceability applications. Optional
Traceability Option	Industry 4.0 ready. All process values are available in text file reports and an SQL database. Optional
MES Interfacing	Customer specific modules interfacing the traceability software (SQL dB) with Manufacturing Execution System software can be developed. Optional
Remote Support	Remote support for PLC and programming software available worldwide via TeamViewer

INTERFLUX ®
Singapore

Your Agent/Distributor: