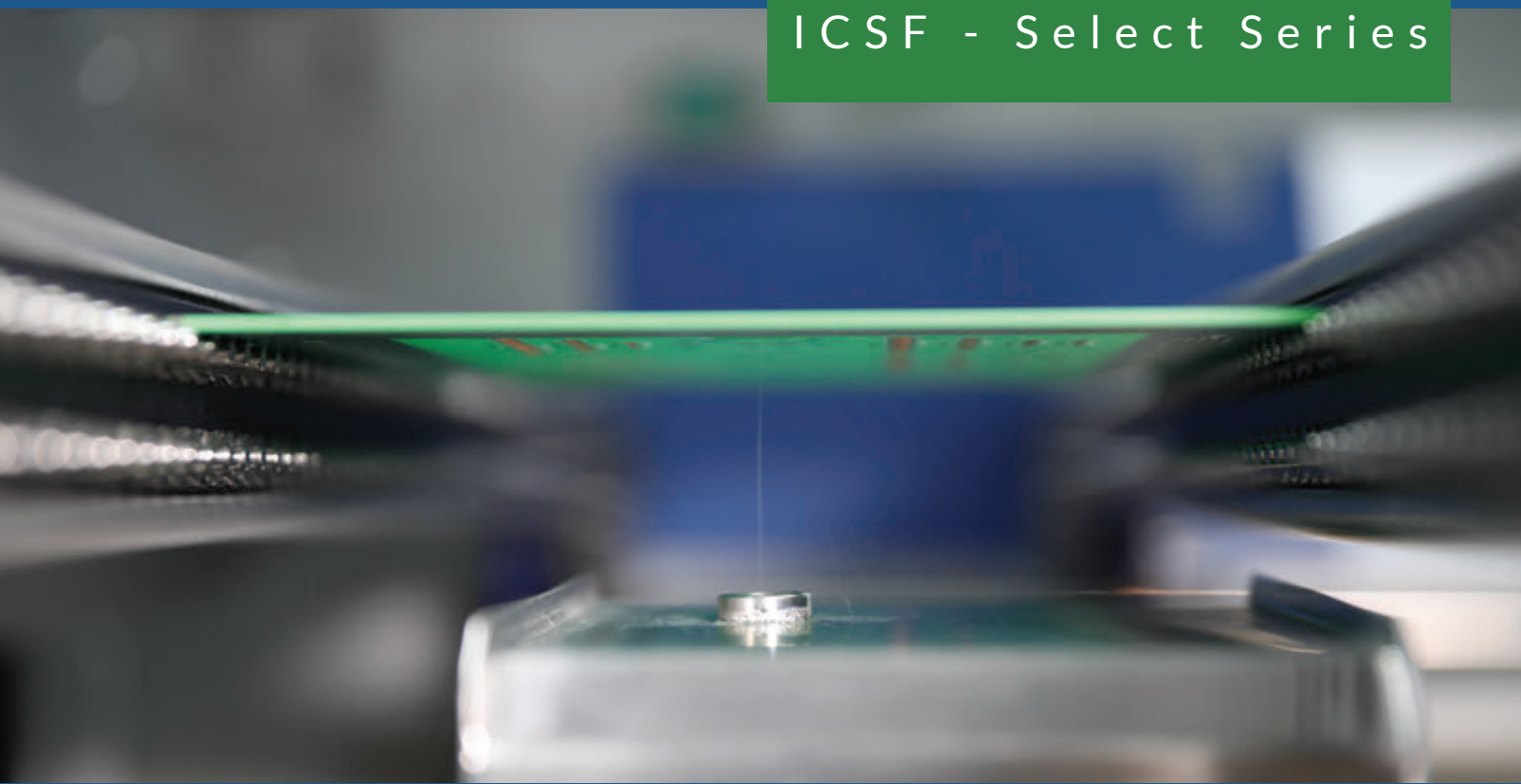


Wave Soldering
Selective Soldering

Jet Fluxing

ICSF - Select Series



Environmentally Friendly
Cost Reduction
Higher Reliability
Smart Board Positioning
Automatic Flux Detection
High Speed XY - Movement

www.interflux.com



INTERFLUX®
Electronics



	ICSF-Select6	ICSF-Select4	ICSF-Select3
Dimensions	1,000 x 1,270 x 1,240mm	850 x 1,270 x 1,240mm	750 x 1,270 x 1,240mm
Conveyor Length	1,000mm	850mm	750mm
Product Size	610x610mm, Optional 920x610mm	410x410mm	310x310mm
Weight	600 kg	550kg	500kg
Machine Frame	welded		
Compressed Air Supply	No Compressed Air used		
Conveyor Type	SS316 Pin Chain		
Conveyor Height	SMEMA height 930mm ± 30mm		
Conveyor Width	Automatic adjustment by software: Max 610mm	Max 410mm	Max 310mm
Conveyor Speed	Incoming/outgoing: 10 to 400 mm/s, (Set separately by software)		
Pass Through Direction	left to right / right to left (selectable by software) (NO mechanical change necessary)		
Product Positioning	Patented soft stop with 2 step detection by Ultrasonic Sensor (No mechanical Stopper)		
Safety Relay	Safety circuit with front and back emergency stop buttons, front and back door with individual feedback to software		
Exhaust Requirement	No exhaust necessary, but possibility to connect: Diameter 100mm, 150 m ³ /hour		
Exhaust Detection	Differential Pressure Switch with indication on software		
XY Linear Axis System	Servo controlled Belt Drive		
Accuracy	± 0.25 mm		
Repeatability	± 50 µm		
Speed	Max. 1,500mm/s		
Nozzle Type	Jet Fluxer (no Air used), 300 microns hole size, optional 200 microns		
Nozzle Quantity	1 Jet Nozzle, optional Double Jet Nozzle for different flux		
Flux Tank	Stainless Steel, 10 or 3 Liters		
Tank Quantity	1, optional 2 with or without couplings for quick tank exchange		
Flux Level Detection	Non contact low level switch for each tank		
Flux 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 high speed control valve		
Flux Pressure	Variable for each programmed location on the board. Controlled by flux supply pump		
Flux Flow	Variable for each programmed location on the board. Controlled by flux supply pump		
Flux Volume	Variable for each programmed location on the board. Controlled by high speed flux valve		
Flux Nozzle cleaning/purge	Automatic flux nozzle cleaning system by purge		
Flux Jet Control (Optional)	Patented flux drop check by laser with auto-purge during flux cycle. Ensures 100% correct application of each drop		
Nozzle Material	Non Stick Teflon Nozzle with Delrin/SS316 Body		
Flux drop size	1.5 to 15mm (depending on flux type, nozzle and settings)		
Flux Quantity Measurement	Accurate measurement by software function. Separate weighing scale is needed.		
Flux Tank Drain	Automatic drain of supply system and tank by software function with operator prompts		
Controller	PC, windows 10 platform		
Machine Software	PLC controlled, can run independently from the PC Software in case PC breaks down		
PC Software	Package with on and offline programming, picture editing and machine control		
Flux Programming Base	JPEG, BMP, GIF, DXF (CAD or GERBER file possible if converted to an image file)		
Picture Editing	Editing software integrated in main software: Four point stretch, Rotation, Mirror, Brightness, Contrast		
Flux Selection	Flux database with fluxes, containing default values for programming for each type of flux. Customizable by customer		
Flux Programming Options	Dots, Lines, Multi-lines, 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		
User Security	3 levels with personalised users		
Program Optimization	Software function to optimize flux point routing		
Barcode	Optional, Automatic program selection and download for each board or per batch and traceability		
Traceability	Optional, all process values in text file or SQL database		
Alarms	Current/History		
Events	Alarms/Software/Machine/Security		
Remote Support	Teamviewer support available worldwide (Machine and PC software)		