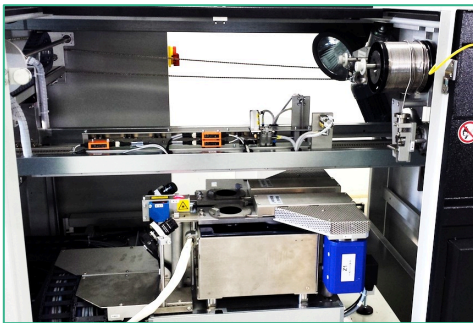


Our brand new Selective Soldering System – CUBE Inline



Machine Data:

- Inline System
- Pin Chain Conveyor
- Bottom Side Preheat
- Handling sizes 18" x 20"
- Soldering unit including one mini wave module
- XY Fluxer including pressurized container and Micro Drop Fluxer



Machine specification CUBE Inline		
Dimensions	L 3000 mm; W 1550 mm; H 1310 mm (119" x 61" x 52")	
Colour	RAL7035; RAL7021	
Exhaust opening	3 ports - Ø 150 mm (6")	
Power requirements Europe	3x32 A; 3x400 V; 50 Hz; 16 KW	
Power requirements US	3x63 A; 3x208 V; 60 Hz; 16 KW	
Power	Top Side heat	12 KW
	Solder Aggregate - each unit	1,6 KW
	Hot Gas Nozzle Heating – each unit	600 W
System Control		
Control concept	PC; Beckhoff PLC	■
Interface	Ethernet, USB	■
UPS	Optional	□
PC	PC; Flat screen monitor; keyboard; mouse	■
Offline Software	Offline software for easy programming	■
Axis type	XY-Portal; Z-axis lift for the soldering units	■
Camera	Camera with cross hair for online programming	□
Axis movement	Combination of toothed belts and ball screw	■
Drive concept	DC Servo motors with encoders; CAN-BUS	■
Repeatability	±0,15 mm (±0,006")	■
Board Size		
Dimensions min/max length x width	Min. 80 x 50 mm/ max. 510 x 460 mm	■
Soldering angle	0°	■
Bottom side clearance	20 mm standard	■
Top side clearance	100 mm (3,94")	■
Pin chain conveyor	Segmented conveyor with 3 mm edge clearance	■
Carrier	Universal carrier, special fixtures available, downholder	□
Flux System		
Fluxer type	Micro Drop	■
Fluxer type	Spray fluxer or SONOTEC ultrasonic type	□
Flux	Alcohol based with 5% solids recommended	■
Flux container	3 litre pressurised pot with level indicator	■
	Second flux pot for different flux type available	□
Preheat		
Type	Quartz Rods	■
Top side preheat	Add. Heater above the preheater or the soldering area	□
Solder Pot		
Solder pot	Lead-free / leaded	■
Solder pot (lead-free)	approx. 25 kg	■
Solder pot (leaded)	approx. 30 kg	■
Additional mini wave module	Enables the use of a different alloy	□
Module lifting	For soldering with different nozzles	■
Additional solder nozzles	Different sizes are available Ø4 mm – Ø23 mm (0,15" – 0,9")	□
Wetted (multi directional) nozzle	Different sizes are available Ø2 mm – Ø8 mm (0,08" – 0,3")	■
Warm up time	approx. 45 minutes	■
Solder temperature	Max. 330°C	■
Solder temperature control	PID controlled	■
Solder wave height control	Program controlled via titanium pin	□
Solder wire feeder	Motor driven up to 2mm (0,08"), solder wire max. 5 kg	□
Nitrogen inerted	Nitrogen quality, 5.0 is recommended, pressure max. 10 bar	
Nitrogen consumption	Depending on user soldering nozzle 1-3 m3/hr	
Process Camera	Camera „real time“ to view the soldering process	□
Trolley	For the exchange of the soldering aggregates	□