

EMST Konark 1020



K1020 - is latest offering in 10-zone reflow oven from EMS Technologies. Backed with experience of over 25 years in PCB Assembly industry, the latest Konark 10-zone reflow showcases latest in technology at the same time maintaining reliability and quality which EMS Technology products as known for.

Salient Features:

- Konark 1020 machine is with Linux operating system that provides pull-down menus.
- Data logging traceability feature enables the user to select the important process parameters for which data collection is desired, either board-based or time-based control + SSR
- Security password protection allows only authorized personnel to make changes to recipes
- Adjustable blower speed
- Rails width adjustment for dual conveyor.
- Dual conveyor with speed control with VFD.
- PCB drop alarm.
- Automatic chain lubrication
- PID close loop temperature control + SSR

Specifications:

Technical changes reserved.

Electrical Supply

Power Input	415V, 3ph, 50 Hz
MCCB	125A @ 415V
Switch ON Power Consumption	Around 12 KW
Sequential Zone Turn ON	Standard

Dimensions

Overall Length	4710 mm
Overall Width	1600 mm
Overall Height (Include Signal Tower)	1930 mm
Nett Weight	1650 Kg
Shipping Dimensions	5100 x 1750 x 1750 mm
Shipping Weight	2450 Kg

Computer Control

PLC with PID	Standard
P.C. With LCD Monitor	Standard
Data Logging	Standard
Password Protection	Standard
Auto Start Software (Weekly/Daily Timer)	Standard
Hood Lifting	Motorised

Mesh Belt Conveyor

Height From Floor	Standard
Maximum PCB Width	880+/- 25mm
Clearance above Mesh	400mm
Mesh Belt Pitch	60mm
Conveyor Direction	12.5mm
	Left to Right , Standard
	Right to Left - Option
Maximum Conveyor Speed	2mtr/min
Conveyor Speed Control	Closed loop & Communication based

Edge Pin Conveyor

Height From Floor	Option
Minimum/Maximum PCB Width	900+/- 25mm
Clearance Above Pins	50 / 400mm
Clearance Below Pins	30mm
Support Pin Length	35 (without mesh below)
Conveyor Direction	3.5mm
	Left to Right , Standard
	Right to Left - Option
Conveyor Width Adjustment	Motorised - Standard
	Width setting through software - Option
Maximum Conveyor Speed	2mtr/min
Conveyor Speed Control	Closed loop & Communication based
Auto Lubrication System	Standard
Edge Pin Above Mesh (both Conveyor)	Option

Forced Convection Zones

Top	10
Bottom	10
Heater Type	Open Coil
Total Heating Tunnel Length	2840 mm
Total Process Length	3865 mm
Cooling Zones	
No. of Cooling Zone	Two - Air cooling

Temperature Control

Type of Temperature Control	PID
Accuracy of Temp. Controller	+/-1°C
Heater Wattage Per Zone	5000 W
Temperature Range	Ambient to 300 °C

Additional Features

Profiler	4Ch, in-built profiler Option
Signal Tower	Standard
Power Hood lift	Standard
Board Drop Sensor	Standard
Board Counter	Standard
Battery back up for conveyor (UPS)	Option
SMEMA	Option
Center Board Support	Option
Flux Management System	Option



Dual Conveyor Setup - Unique to EMS Technologies Reflow ovens, the dual conveyor setup allows for two simultaneous boards to be passed at the same time thus increasing throughput leading to increased productivity. The dual conveyor setup can be configured to two different sizes of PCB with independant width control as well as independant speed control offering versatile application as per application demand.



Manufactured by



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