

# EMST Konark 145

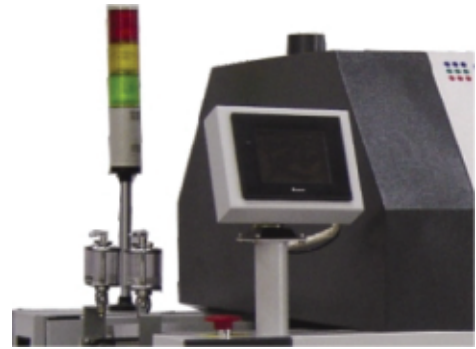


**Five Zone Reflow Oven**

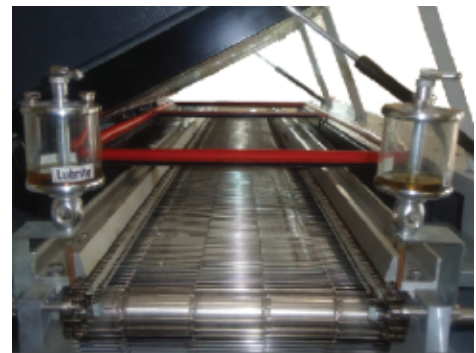
# Features:

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- 5 Heating Zones.
- Manual Hood Opening with Jack arrangement.
- Max Temperature of 300°C, Lead Free compatible.
- Mesh (or) Chain (or) Chain above Mesh Conveyor options.
- 10 independent PID controlled heating zones (5 Top & 5 Bottom).
- Heating Length - 1550 mm.
- Max PCB Width - 300 mm.
- Touch Screen Operation.
- 3 Channel Profiler Option.
- Manual Width Adjustment.



Touch Screen Operating Panel



Edge Pin Above Mesh Conveyor



# Specifications

Technical changes reserved.

## Electrical Supply

Power Input	415V, 3ph, 50 Hz
Rotary Switch	63A @ 415V
Switch On Power Consumption	18 KW
Steady State Power Consumption	Around 8 kW
Sequential Zone Turn ON	Standard

## Dimensions

Overall Length	2550 mm
Overall Width	1100 mm
Overall Height (Include Signal Tower)	1520 mm
Nett Weight	750 Kg
Shipping Dimensions (LxWxH)	2921 x 1450 x 1880 mm
Shipping Weight	1100 Kg

## Control

PLC with PID	Standard
Touch Screen Monitor	Standard
Data Logging ( Through 4GB USB)	Standard
Password Protection	Standard
Auto Start Software(Weekly/Daily Timer)	Standard
Hood Lifting	Manual (3 Zones & 2 Zones Separately)

## Mesh Belt Conveyor

Standard

Height From Floor	880+/- 25mm
Maximum PCB Width	300mm
Clearance above Mesh	60mm
Mesh Belt Pitch	12.7mm
Conveyor Direction	Left to Right , Standard Right to Left - OPTION
Maximum Conveyer Speed	2mtr/min / 200 CPM
Conveyer Speed Control	Closed loop

## Manufactured by



S. No. 43/3, New Gat No. 322, Plot No. 1,  
Pirangut, Tal. Mulshi, Dist. Pune - 412 115 INDIA



## Sold & Serviced by

Gat No.322, Plot No.1, At Post- Pirangut Tal- Mulshi,  
Dist. PUNE 412115- India  
P: +91 95955 25010 | E: contact@emstonline.com  
W: www.emstonline.com

## Edge Pin Conveyor

OPTION

Height From Floor	900+/- 25mm
Minimum/Maximum PCB Width	50 / 300mm
Clearance Above Pins	30mm
Clearance Below Pins	35 (without mesh below)
Support Pin Length	3.5mm
Conveyor Direction	Left to Right , Standard Right to Left - OPTION
Conveyor Width Adjustment	Manual Adjustment
Maximum Conveyor Speed	2mtr/min / 200 CPM
Chain Lubrication System	Manual (Chain)
Edge Pin Above Mesh (both Conveyor)	OPTION

## Forced Convection Zones

Top	5
Bottom	5
Heater Type	Open Coil
Total Heating Tunnel Length	1550 mm

## Cooling

Cooling	Fan Cooling outside tunnel
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## Temperature Control

Type of Temperature Control	PID
Accuracy of Temp. Controller	+/-1°C
Heater Wattage Per Zone	3500 W
Temperature Range	25 C to 300 C

## Additional Features

Profiler	3 Ch, in built profiler OPTION
Signal Tower	Standard
Board Counter	Standard
Battery back up for conveyor (UPS)	OPTION

Owing to continuous Research and Development,  
specifications are subject to change without notice.