

## EWS-310 Wave Soldering Machine

### Your Economic Solution for:

- Prototyping**
- Product Development**
- Short Run, High-Mix**
- Manufacturing Applications**



- Quickly load and unload PCBs with finger conveyor
- Continuously adjustable PCB width from 1 to 12 inches
- User friendly touch screen LCD for programming and parameter adjustment
- Streamline design for Easy Maintenance and Cleaning

### System Features

- Finger conveyor for pallet-less operation
- Visibility throughout entire process with clear viewing Plexiglass® hoods
- Onload and offload conveyor extensions
- Durable, rugged welded steel frame construction
- Fully dry wave, no oil intermix required
- Stainless steel solder pump impellers with external ball bearings
- Laminar wave for through hole component soldering
- Motorized conveyor width adjustment
- Fluxer and air knife pressure regulators
- Solder level sensor alarm
- Solder drain with stainless steel valve
- On-board profiler
- Lead-free solder capable



*Finger conveyor for pallet or pallet-less operation.*



*Recirculating finger cleaner option with spray spout and brushes*



*Solder level sensor with alarm*

## PRODUCT SPECIFICATIONS:

PCB Width	30 to 300mm (1 to 12")
Board Handling	Fingers
Maximum Wave Height	0 to 10mm (0 to 3/8")
Solder Pot Capacity	single wave - 90kgs (200 lbs.) dual wave - 170kgs (375 lbs.)
Max. Solder Pot Temperature	350°C (662°F)
Quick Change Lead to Lead-free Solder System	Yes
Approximate Warm-up Time (for leaded solder)	60 minutes
Conveyer Speed	0.5 to 2.5 m/min (98.4"/min)
Soldering Angle	6 degrees
Foam Fluxer Tank	3 liters (0.8 gal.)
Compressed Air	Max 30 psi on system with air knife

Max. Preheat Temperature 1	150°C (302°F)
Preheat 1 Power	4.8 kW
Max. Preheat Temperature 2	200°C (392°F)
Preheat 2 Power	2.0kW
Preheat Length	870mm (34.25")
Preheat Method	IR + Convection
Solder Pot Power Capacity	single wave - 3.6 kW dual wave - 5.2 kW
Machine Operating System	Color graphic LCD with touch screen
Power	220V, 3 phase, 60Hz
Power Consumption	single wave - 11 kW dual wave - 12.2 kW
Machine Dimensions	2500 x 1100 x 1550mm (98.43" x 43.31" x 61.02")

### Options

- Optional turbulent wave for SMD applications
- Optional quick change lead-free/lead solder pot trolley system
- Finger Cleaner
- Spray fluxer
- Nitrogen inerting with GasMizer™ feature
- Motorized roll-out Pot for easy access



*Motorized roll-out pot (optional) provides easy access.*



*Independently controlled infrared and forced air convection preheaters compatible with VOC-free fluxes.*



*Closeup of 'Fingers' for transport.*

### Leasing Options Available...

**For more information, phone us at 1-215-485-5663  
or email us at [sales@ddmnovastar.com](mailto:sales@ddmnovastar.com)**