

# Topaz 850/1120/1250/1650 Thermal Plate Processor



## Standard Equipment includes:-

- **Input and exit tables**
- **Hinged top covers**
- **Castor wheels for ease of installation**
- **Cycling timer**

### **NES Worldwide Ltd (UK)**

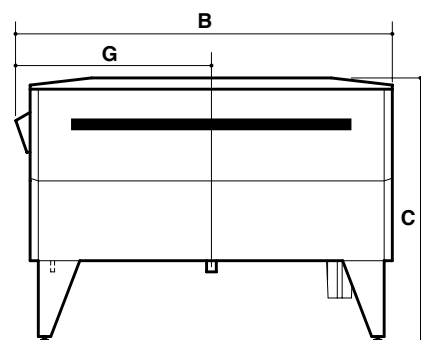
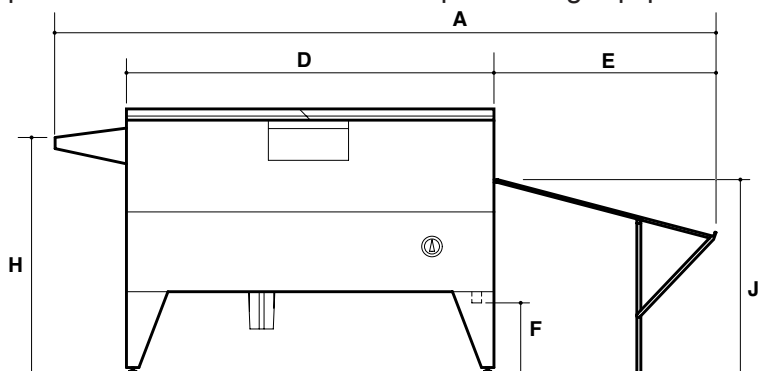
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### **NES Worldwide Inc (USA)**

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## Specifications

Designed to give fast, reliable and efficient processing of most single sided thermal plates at increased transport speeds, the Topaz range retains the durability, high quality and ease of operation associated with all NES processing equipment.



### Dimensions (mm)

	850	1120	1250	1650
A	2927	3305	3305	3960
B	1525	1795	1925	2325
C	1110	1110	1110	1185
D	1350	1350	1350	1455
E	1107	1485	1485	2035
F	390	390	390	390
G	805	940	1005	1205
H	920	920	920	985
J	940	940	940	1005

### Weight (Uncrated)

850	400 kg (882 lbs)
1120	450 kg (992 lbs)
1250	500 kg (1102 lbs)
1650	750 kg (1653 lbs)

### Plate Sizes

Max. plate width:	850	850mm (33.5")
	1120	1120mm (44.1")
	1250	1250mm (49.2")
	1650	1650mm (65.0")
Min. plate length:		330mm (13") (350mm on 1650)
Plate thickness:		0.15mm (0.006") - 0.40mm (0.016")

### Plate Types

Single sided thermal or conventional plates.

### Plate Processing Speed

38.5" (0.98m)/min. @ 30 second dev. dwell.  
55.1" (1.4m)/min. @ 21 second dev. dwell.

### Scrub Roller Speed, Adjustable

### Optional Equipment

- Platesetter Interface
- Custom online mechanical Interfaces
- Conductivity monitor
- Water saving control system
- Water recirculation units
- Developer Chiller
- Plate Stacker

### Developer

Type:	As recommended by plate and chemical representative.	
Capacity:	850	42 litres (11 US gallons)
	1120	54 litres (14.3 US gallons)
	1250	60 litres (15.8 US gallons)
	1650	120 litres (31.7 US gallons)
Overflow:	To waste container. Option to drain.	
Replenishment:	Per plate – adjustable 0-180 seconds (0-200ml).	
	Per hour – adjustable 0-3 minutes (0-200ml).	

Temperature: 27°C ± 2°C (82°F ± 2°F) adjustable

Temperature maintained within tolerance only when used in conjunction with optional chiller unit.

### Gum/Finisher

Type:	As recommended by plate and chemical representative.	
Capacity:	850	3.5 litres (0.9 US gallons)
	1120	4 litres (1.05 US gallons)
	1250	5 litres (1.3 US gallons)
	1650	8 litres (2.1 US gallons)
Overflow:	To replenisher container.	
Replenishment:	Continuous when processing.	

### Rinse

Capacity:	850	15 litres (4 US gallons)
	1120	19 litres (5 US gallons)
	1250	21 litres (5.5 US gallons)
	1650	26 litres (6.8 US gallons)

Note: The control system employs active water saving by operating the spray bars only when the plate is passing through the rinse and tanks.

Optional recirculation units are available to further reduce water consumption.

### Electrical Requirements

220-240 VAC Single Phase with ground 50/60Hz 20A

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