

# HL2400 SERIES POSTCLEANING SYSTEMS

The HL2400 series postcleaning systems were designed to follow the Argus HAL5100 series Hot Air Solder Leveling system. The machine is designed to provide a flux removal with vigorous spray cleaning, mild brushing action, fresh water rinse and turbo air drying. Board cleanliness is critical to quality PCB fabrication.

The HL2400 series postcleaning systems provide a cooling zone that allows the molten solder to solidify prior to active cleaning. The PCB is then exposed to a recirculated spray cleaning a mild brushing action that removes the surface flux residue left over from the HASL process. The second recirculation chamber provides a second recirculation of cleaner spray and mild brushing action and a final clean water rinse. The drying system may have a turbo air knife to remove any puddled water and an infrared drying section to complete the drying process. A variety of brushing and drying options are available to maximize the effectiveness of the postcleaning system.

## AVAILABLE OPTIONS

- POSTCLEANER INJECTION SYSTEM:** Provides the ability to inject postcleaning chemistry directly into the recirculating spray manifold. Postcleaning solutions can significantly improve the effectiveness of the HL2400.
- ANTIFOAM INJECTION SYSTEM:** Provides the ability to inject antifoam solution into the HL2400 drain. The antifoam solution normally is used when either the flux or the postcleaning solution generates large amounts of foam.
- TURBO AIR KNIFE DRYING:** Adds an increased drying capability by employing high velocity air to remove puddled water on exit from the HL2400. This option makes the IR drying more effective by reducing drying requirements.
- 24 INCH EXIT EXTENSION:** Extends the exit conveyor 24" to allow for inspection or mating with other handling equipment.
- REMOTE CONTROL CONSOLE:** Moves all controls away from the machine allowing the operator to make convenient adjustments.
- RECIRCULATING SUMP HEATING:** Provides a sump heating system. Flux residues are more easily removed with modest increases in spray temperature.

## ELECTRICAL SERVICE REQUIREMENTS

Circuit Breaker service is 3-phase configuration with a good Ground.

ITEM	200-240V 50/60HZ	380-415V 50HZ	440-480V 50/60HZ	POWER
HL2420 CIRCUIT BREAKER	100A	50A	50A	17kVA
HL2430 CIRCUIT BREAKER	150A	70A	70A	25kVA

## FRESH WATER RINSE REQUIREMENTS

ITEM	VOLUME	CONNECTION FITTINGS
HL2420	2 Gallons per minute	3/4"NPT Service, Cold/Hot Mixer Valve included
HL2430		

## DRAINAGE REQUIREMENTS RINSE DRAIN

ITEM	VOLUME	CONNECTION FITTINGS
HL2420	2 Gallons per minute	1 1/2"NPT, PVC
HL2430		

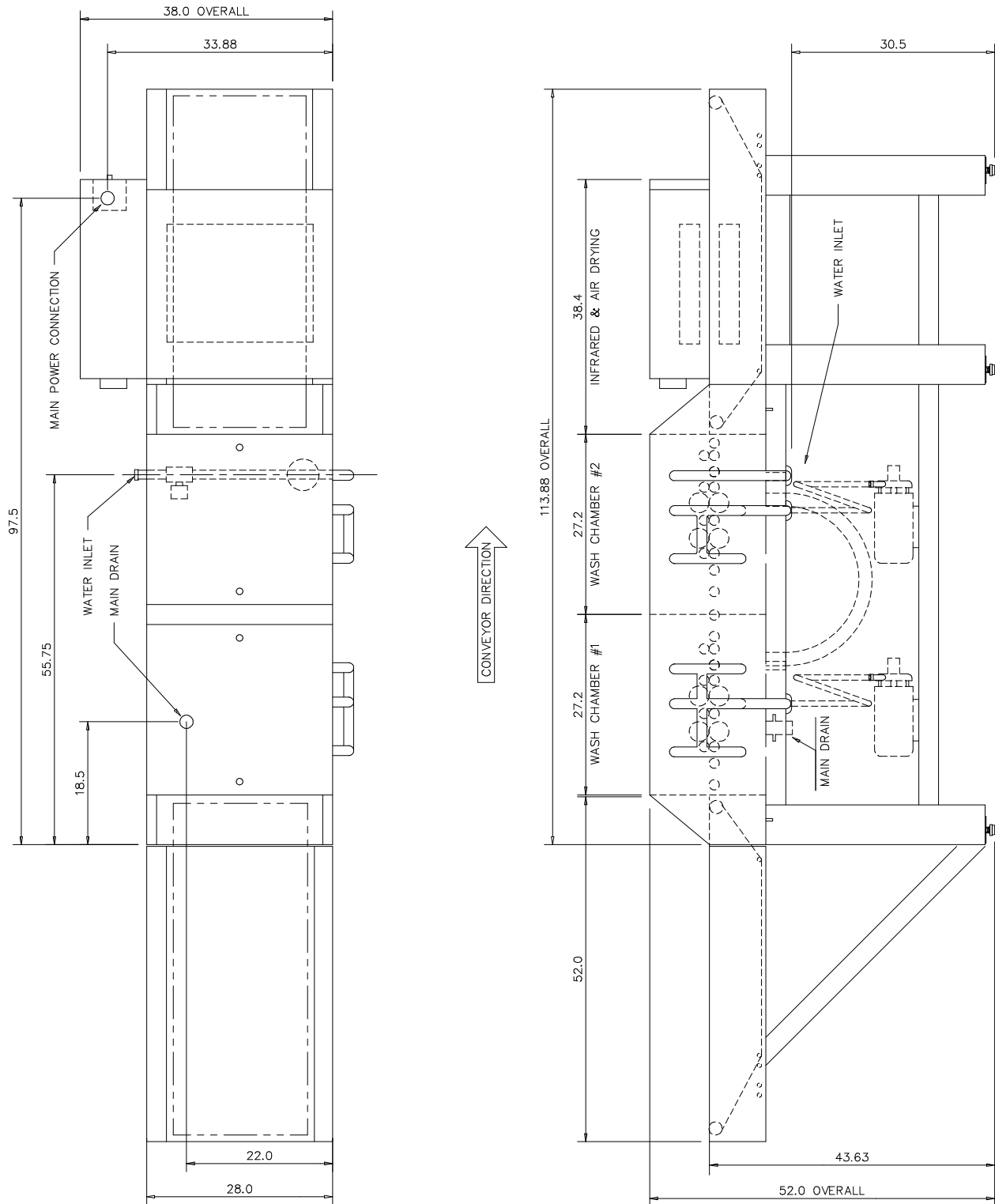
## SHIPPING DATA

ITEM	CRATE SIZE	AIR FREIGHT CRATED WEIGHT	COMMON CARRIER CRATED WEIGHT
HL2420	123" x 63" x 72"	1,400 lbs.	1,900 lbs.
HL2430	123" x 63" x 72"	1,500 lbs.	2,000 lbs.

**Note:** Crating dimensions and weights are approximate and may vary within 10%.

# HL2400 SERIES POSTCLEANING SYSTEMS

## HL2420 Physical Dimensions



# HL2400 SERIES POSTCLEANING SYSTEMS

## HL2430 Physical Dimensions

