

PC7100 SERIES SINGLE SIDED UV CURING SYSTEMS

The PC7100 single sided UV curing systems are designed to expose photoimageable materials to intense UV energy. The UV energy is provided by employing medium pressure mercury vapor lamps above the conveyor. Lamp intensities of 200 watts per inch and 300 watts per inch are available with 2 or 3 (200WPI only) lamp arrangements. Lamp energy is application dependent, but the standard equipment includes 2 lamps are 200WPI each.

An optional water cooling system is available for exposing products that require a low surface temperature be maintained. The water cooling system supplies an IR filter which consumes IR emissions at the source, thereby reducing effective surface temperatures. The filtration system includes a water jacket type arrangement that provides a wall of water surrounded by two walls of quartz glass. The water is cooled in a self contained cooling system and recirculated in a closed loop fashion.

AVAILABLE OPTIONS

WATER COOLING SYSTEM: Provides a means to maintain low surface temperatures during ultraviolet exposure.

CONVEYOR STOP ALARM: Provides an alarm and interlock system to disable all UV sources in the event of conveyor stoppage.

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
PC7125 CIRCUIT BREAKER 200WPI LAMPS	70A	50A	30A	28kVA
PC7125 CIRCUIT BREAKER 300WPI LAMPS	100A	70A	50A	42kVA

EXHAUST SYSTEM REQUIREMENTS MAIN EXHAUST

ITEM	VOLUME	TRANSITION ADAPTER	DUCTING
PC7700 200WPI LAMPS	1000CFM	8.87" x 5.5" Rectangular to 10" Diameter	10" Galvanized
PC7125 300WPI LAMPS	1500CFM	11.87" x 8.13" Rectangular to 10" Diameter	10" Galvanized

Note: Transition and ducting to be supplied by user.

SHIPPING DATA

ITEM	CRATE SIZE	AIR FREIGHT CRATED WEIGHT	COMMON CARRIER CRATED WEIGHT
PC7125	102" x 63" x 65"	1,000 lbs.	1,400 lbs.

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

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PC7125D Physical Dimensions

