SPECTROLINE®

PC-8820C-LT, PC-9920A-LT and PC-10020-LT
UV EPROM/Wafer Erasing Systems

- Superior UV Intensity!
- Faster Erasing Times!
- Increased Load Capacity!

3 Large-Capacity Systems to Meet Your Production Needs!

PC-10020-LT

Largest Capacity!

28 – 6 in (150 mm) Wafers
15 – 8 in (200 mm) Wafers
6 – 12 in (300 mm) Wafers

PC-9920A-LT

Extra-Large Capacity!

24 – 6 in (150 mm) Wafers
12 – 8 in (200 mm) Wafers
6 – 12 in (300 mm) Wafers

PC-8820C-LT

Large Capacity!

15 – 6 in (150 mm) Wafers
8 – 8 in (200 mm) Wafers
3 – 12 in (300 mm) Wafers

Switch/control panel cover

The PC-8820C-LT comes complete with these additional user-friendly custom features:

- ***Internal security latch*** — Ensures that drawer stays closed and locked throughout system operation
- ***Rocker switch "Start" button*** — Fast and easy user control of grid lamps, alarm and drawer "lock/unlock" modes
- ***Control panel cover*** — ¼ in (6.4 mm) thick, engineered acrylic protects switch/control panel from damage and dirt
- ***Cycle sounding alarm*** — Alerts operator when each normal erasing cycle is completed
- ***Lamp fault alarm*** — Sounds if one or more grid lamps fails

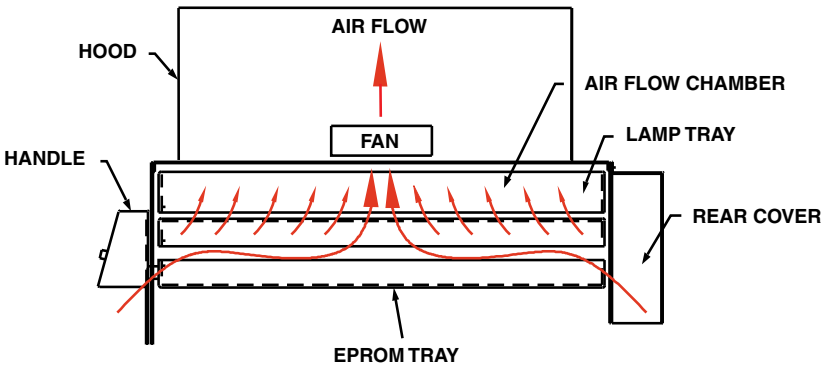
SPECTROLINE® PC-8820C-LT, PC-9920A-LT and PC-10020-LT systems are the next generation of UV EPROM/wafer erasers. These units incorporate the latest technological advances in the industry to ensure the highest UV intensities, fastest erasing times, unmatched safety and reliability.

Specially designed for high-volume production requirements, these large-capacity units are engineered to provide outstanding UV irradiance uniformity to ensure fast and complete erasure of programmed memory from every EPROM chip or wafer — in as little as 90 seconds!

Innovative Features:

- ***Advanced UV lamp design*** — Ultra-high intensity, short-wave UV (254 nm), low-pressure mercury vapor quartz grid lamp assemblies meet the highest performance specifications
- ***Increased operating intensity*** — At least 60% greater throughput than competitive systems
- ***Exclusive quick load/unload tray*** — Facilitates safe handling, ensures proper positioning and allows pre-loading of EPROMs, PC boards, metric cards and wafers
- ***Adjustable tray inserts*** — Can be set to varying heights to allow optimum UV exposure distance
- ***Digital timer*** — Pre-settable to minimize operator error and provide automatic shut-off at the end of the erasure cycle
- ***Improved internal cooling system*** — Provides outstanding airflow path and uniform UV output — dramatically extending life of the grid lamps
- ***Light tower*** — Red/yellow/green signals indicate mode status at every stage of system operation
- ***Two-piece, modular cabinet design*** — Constructed of rugged, anodized aluminum and stainless steel. Ensures safe handling and simplifies storage and maintenance.
- ***Temperature gauge*** — Shows when unit has acclimatized to its surroundings
- ***Special hood attachment*** — Provides improved air exhaust and shielding from UV exposure
- ***Manual fan speed control*** — Allows automatic unit stabilization according to room temperature

Light tower system status indicator



Improved air path flow design of PC-8820C-LT, PC-9920A-LT and PC-10020-LT

Extra-Large Drawer Load Capacity!

Larger drawer dimensions maximize load capacity of individual EPROMs, wafers and PC boards. Accommodates a variety of loading formats.

- Extra deep to permit loading of PC boards and metric cards
- Extra wide to accept open-faced stocking tubes for mass chip erasing without unloading
- Heavy-duty slides allow drawer to open fully for greater access to loading area
- Accommodates PC boards, metric cards and silicon wafers ranging from 6 to 12 inches (150 - 300 mm)

System Specifications

	MODELS		
	PC-8820C-LT	**PC-9920A-LT**	**PC-10020-LT**
UV Light Source	Eight low-pressure mercury vapor quartz grid lamp assemblies	Nine low-pressure mercury vapor quartz grid lamp assemblies	Ten low-pressure mercury vapor quartz grid lamp assemblies
Nominal Initial UV Intensity*			
at 220V/60Hz	70,000 µW/cm² at cabinet temperature of 100° F (37.8° C)†		
at 230V/50Hz	65,000 µW/cm² at cabinet temperature of 100° F (37.8° C)†		
Erasing Time*	1.5 minutes (90 seconds) based on 6W-sec/cm² EPROMs 2.5 minutes based on 10W-sec/cm² EPROMs 3.6 minutes based on 15W-sec/cm² EPROMs		
Load Capacities			
6 in (152 mm) Wafers	15	24	28
8 in (203 mm) Wafers	8	12	15
12 in (305 mm) Wafers	3	6	6
DIMENSIONS			
Upper Housing (L x W x H)	36 x 33.25 x 9 in (91.4 x 84.5 x 22.9 cm)	40.5 x 36.5 x 9 in (102.9 x 92.7 x 22.9 cm)	46.4 x 35 x 9 in (117.9 x 88.9 x 22.9 cm)
Lower Housing (L x W x H)	36 x 33.25 x 9 in (91.4 x 84.5 x 22.9 cm)	36 x 32 x 9 in (91.4 x 81.3 x 22.9 cm)	
Hood (L x W x H)	31.25 x 10.5 x 15 in (79.4 x 26.7 x 38.1 cm)	32 x 10.5 x 15 in (81.3 x 26.7 x 38.1 cm)	37.25 x 10.5 x 15.5 in (94.6 x 26.7 x 39.4 cm)
Inside Drawer (L x W x H)	32.4 x 26.8 x 1.4 in (82.3 x 67.9 x 3.6 cm)	36.8 x 28 x 1.8 in (93.3 x 71.1 x 4.4 cm)	42 x 28 x 1.8 in (106.7 x 71.1 x 4.4 cm)
Grid Assembly (L x W)	4 x 22 in (10.2 x 55.9 cm)	4 x 25 in (10.2 x 63.5 cm)	4 x 25 in (10.2 x 63.5 cm) / 4.125 x 25 in †† (10.5 x 63.5 cm)
Erasing Area (L x W)	32 x 22 in (81.3 x 55.9 cm)	36 x 25 in (91.4 x 63.5 cm)	42 x 25 in (106.7 x 63.5 cm)
Net Weight	275 lb (125 kg)	380 lb (172 kg)	420 lb (191 kg)
Power Requirements	220V/60Hz, 230V/50Hz		

† UV intensity measured with Spectroline® XR-1000 AccuMAX™ Series digital radiometer with XS-254 short-wave UV sensor detector
†† Available with either configuration
* Erasure times based on nominal short-wave UV intensity of 70,000 µW/cm² at cabinet temperature of 100° F (37.8° C)

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