

UV Exposure Systems

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Typical UV Lamp Expose applications:

- FLASH Memory erasing
- Neutralize wafer charging often caused by plasma processing
- Make easier, the peeling of tape from wafers after background

System Overview

Loading - The carrier is placed on the staging elevator. Sensors check that the placement is correct and the wafers are positioned properly within the cassette. Wafers do not have to be notch aligned.

ware feature can be used to adjust exposure time as a function of intensity. An optional printer provides hard copy reports of exposure time vs. lamp intensity for each lot processed. A lamp intensity limit feature sounds an alarm once the lamp meets the threshold of its useful life.

Cycling - With the MWE in 'auto', the operator presses 'start'. The system's pick and place robot moves the wafer from the cassette to the UV Lamp stage for processing. The robot is stepper motor controlled to assure smooth and accurate wafer handling.

Safety - Our systems are CE compliant with certification shipped with each tool.

Versatility - Our systems are capable of processing multiple wafer sizes by simply loading the correct recipe.

Exposure - The wafer is exposed to UV lamp radiation for a programmed duration of time.

Form, Fit, and Finish - Our systems are completely covered in mirror finish stainless steel panels with no external screws.

Auto Compensation - Over time, UV bulbs tend to age and thus lose intensity. Our lamps are monitored. A soft-

We began producing the MWE Series UV Exposure equipment in 1995 by the special request of our customers. This is a low cost automated solution to condition the wafer prior to probing.

We have over 100 MWE systems in the field processing wafers at some of the world's finest factories.

Priced at under \$70K, MWE systems are an exceptional value !

WAFER SIZE:	Up to 8" (Specify sizes to be processed)
THROUGHPUT:	500 Wafers / Hour (Robot Limit)
TRANSPORT:	Robot Arm (PICK & PLACE)
LAMP:	GRID 10 X 10 Inch - Intensity 50 mW / cm ²
CONTROL PANEL:	LCD with menu and key functions
SIGNAL TOWER:	Include d
COVER/PANEL:	S.S. Mirror Finish
FOOT PRINT:	750mm (L) - 500mm(W) - 600 mm (H) Weight: 55 Kg.
EXHAUST:	20 L per sec.
POWER:	220V—50HZ—1300 VA 110V—60HZ (Option)
VACUUM:	100 Torr

MWE is a simple system with exceptional reliability, small footprint, and easy maintenance. A great system for FLASH!