

UH202/ UH202-12 **AUTOMATIC UV CURING SYSTEMS**



With high power and extremely fast curing in affordable, small-profile packages, the Models UH202/UH202-12 UV Curing Systems offer the ultimate degree of control with the greatest ease of use. The systems feature fully programmable automatic operation and safeguards, including interference detection and auto-detection of vacant slots in the frame magazine, eliminating virtually all operator variables.



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The high power UV lamp dramatically reduces UV exposure times making these units ideal for a mid to high volume production environment. With a 9-second cycle time for the Model UH202 (12-seconds for the Model UH202-12), including loading and unloading, and adjustable UV exposure, a 25-frame magazine can be completed in about 4 minutes (6 minutes for the Model UH202-12). The fast cycle time is facilitated by a one-step wafer transfer. While loading the cured wafer into the frame magazine, the transfer arm is already in position to load the next wafer/frame.



PGV-Ready (Model UH202-12)

The Model UH202/UH202-12 UV Curing Systems were designed with a focus on power and speed, however, safety was not compromised in any way. A precision lamp temperature monitor prevents the lamp from overheating, shutting off UV lamp power if necessary. A cooling fan remains on until the temperature reaches a safe level before power is available for the lamp to re-fire. In addition, a mechanical thermo-switch prevents temperature runaway in case of an electronics failure. The Models UH202/UH202-12 also feature a built-in shutter and mechanical door interlock to prevent accidental UV light exposure. The Model UH202-12 is also PGV-ready with optional docking station.

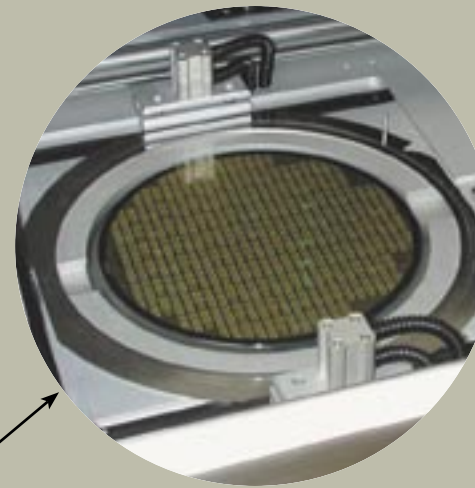


Gas Controls and Lamp Indicators

The Models UH202/UH202-12 combine the best elements of power, speed, safety, and precision in a flexible production tool.



TouchPanel LCD Display



Wafer/Frame Workstage



STANDARD FEATURES

- Fully automatic single cassette operation
- Optional single frame adapter for rapid prototyping and testing
- Easily programmable microprocessor-based controller with rotatable touch panel interface
- Adjustable exposure aperture
- Auto-Detection of vacant slots in frame magazine
- Interference detection
- High Intensity (up to 300W/in for UH202 and 400W/in for UH202-12) 365nm UV Lamp
- Stores 10 programs/recipes with password protected level access
- Up to 8" Wafer (UH202) or 12" Wafer (UH202-12) capability with rapid frame/ magazine size interchange
- Lamp temperature indicator
- Fast and easy replacement UV lamp change
- Maintenance safety interlock

SPECIFICATIONS

MODEL UH202

Height: 41 inches
 Width: 54 inches
 Depth: 31 inches
 Weight: 410 lbs.

UH202-12

Height: 42 inches
 Width: 75 inches
 Depth: 39 inches
 Weight: 650 lbs.

Lamp Intensity: 320 mW/cm² min

SERVICE REQUIREMENTS

Power: 220VAC, single phase
 17A (UH202)
 30A (UH202-12)

Cover Gas: N₂, 60PSI regulated

Air : 60PSI regulated

Specifications subject to change.



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Other Ultron Products

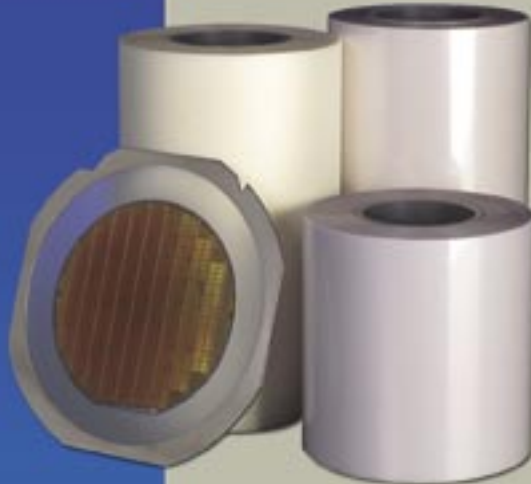
**Model UH115/
UH115-8
Wafer/Frame
Film Applicators**



Offer the highest degree of control and versatility for even the most stringent mounting requirements in affordable and easy to use benchtop packages. The recently redesigned series is even more compact than its predecessors.

All of the models feature uniform, bubble-free lamination and a digital temperature controller for consistent workstage temperatures and repeatable results. Adjustable alignment pins and vacuum cups accommodate almost any type of film frame, including plastic. The workstage height is also adjustable relative to the frame height for different wafer thicknesses.

**UV Adhesive
Plastic Film
Series**



Has the advantage of high adhesive strength -- for the securing of wafers/ substrates during sawing -- which is significantly reduced after UV light exposure to facilitate die removal. We are proud to offer the widest selection of UV film available to meet your process requirements.

**Models
UH102/UH102-12
UV Curing
Systems**



Are inexpensive solutions for the curing of UV film, yet do not compromise control or versatility. They include a nitrogen blanket to assure complete curing of the UV adhesive, a microprocessor-based programmable controller, a lamp intensity measurement port, and a serpentine-style grid lamp for even, consistent UV-exposure.



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