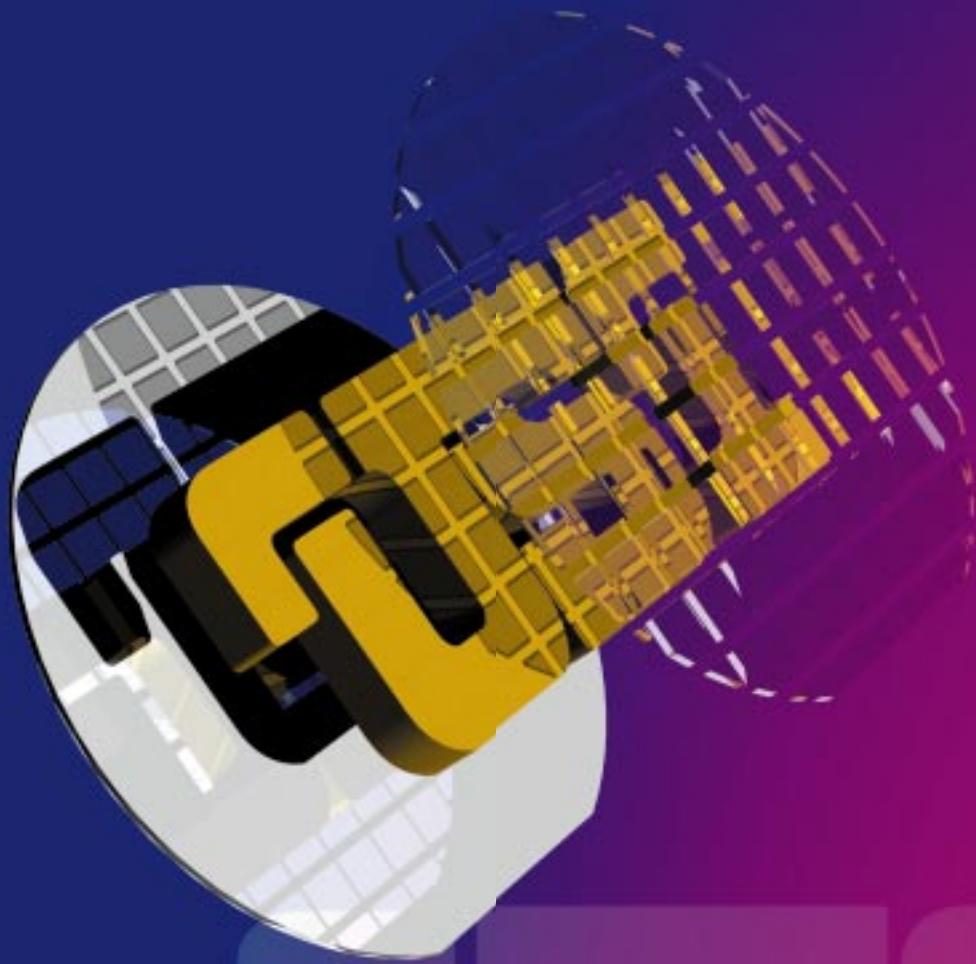


UV CURING SYSTEMS



ULTRON SYSTEMS, INC.

UV CURING SYSTEMS



UV-curable adhesive plastic films have the distinct advantage of having a very high adhesive strength for ideal securing of the wafer/die during sawing, yet reduces to a low adhesive strength after exposure to UV light. Die handling is facilitated, especially in the case of fragile/thin die, where removal from conventional films can cause excessive stress to the die. Ultron Systems' Models UH101 and UH201 UV Curing System offer carefully controlled environments for even, consistent UV exposure of wafers/substrates up to 200 mm in diameter and feature:

- Even exposure of film over entire wafer surface.
- Nitrogen blanket to assure complete curing of the adhesive.
- Microprocessor-based, programmable controller.
- Accepts all types/sizes of film frames and cassettes.

MODEL UH201

MODEL UH101

The Model UH101 Semiautomatic UV Curing System has all of the features of its larger fully automated sibling, except for the cassette to cassette operation. It is ideal for R&D and low volume production



- Self-contained, compact, benchtop unit (floor model also available for Model UH201).
- Accommodates up to 8-inch (200 mm) wafers on film frames.
- Lamp intensity measurement port.
- Serpentine-style, grid lamp for even, consistent uv-exposure.

UV ADHESIVE PLASTIC FILM



UV-Curable films have a very high adhesive strength to provide secure holding of wafers/die during processing. Upon exposure, the adhesive strength is significantly reduced to facilitate film removal/die-handling.

The Model UH201 Automatic UV Curing System adds the convenience of fully automated cassette to cassette operation and is a cost-effective solution for high volume production. It has all of the features, yet a substantially lower cost than other automatic units.



ULTRON SYSTEMS, INC.

EQUIPMENT SPECIFICATIONS

	Model UH101	Model UH201
Dimensions	15"H x 22"W x 24"D	18"H x 44"W x 24"D
Weight	155 lbs.	175 lbs.
Service Requirements		
Power	115 VAC; 50/60 Hz; 12A	115 VAC; 50/60 Hz; 12A
Air	Not Required	60 psi regulated
N ₂	30 psi @ 0.5 CFM (min)	30 psi @ 0.5 CFM (min)
UV Lamp	Metal Halide	Metal Halide
Wavelength	254.7 nm	254.7 nm
Intensity	30 mW/cm ² @ 2-inch distance	30 mW/cm ² @ 2-inch distance

UV ADHESIVE PLASTIC FILM SPECIFICATIONS

	1020-688R	1020-698R
Base Film Material	PVC (Polyvinyl Chloride)	PO (Polyolefin)
Backing Material	P.E.T. (Polyethylene Terephthalate)	P.E.T. (Polyethylene Terephthalate)
Color	Clear	Clear
Thickness	95 µm	95 µm
Adhesion (Before Exposure)	400 gm/25 mm	26 gm/25 mm
Adhesion (After Exposure)	350 gm/25 mm	10 gm/25 mm
Elongation	250%	600%

*Ultron Systems offers a complete line of adhesive plastic films for wafer/die handling.
Please call for additional information and samples.*

For additional information, please contact:

Represented by:

UST **ULTRON SYSTEMS, INC.**
5105 MAUREEN LANE, MOORPARK, CALIFORNIA 93021
PHONE: (805) 529-1485 • FAX: (805) 523-1061