



## UV-LED CURING SYSTEM U-200 and U-300

The POWATEC U-200/U-300 Curing Systems are built to cure up to 8"/300 mm wafer and frame. The LED generates a wavelength of 365 nm with an optical power output maximum of 750 mW. Open the cover and put the wafer on the left side conveyor. Push the start button. The Wafer moves over the LED unit to the right side. Curing completes after about 15-80 seconds yielding a consistent throughput of 45 –240 frames/hour. Fully adjustable curing time ranges between 15 seconds and 80 seconds.



### ADVANTAGES OF CURING WITH LED'S RATHER THAN WITH MERCURY BULBS!

- **Lowest total cost of ownership (COO)!**
- **No Ozone gas generation**
- **No warm up time (full power from power on)**
- **Up to 95% less power consumption**
- **No IR emission. Ideal for heat sensitive materials**
- **No bulb degradation**
- **Extended light source life**
- **Lower operating cost**
- **Easy to use**
- **Small footprint**

# SPECIFICATION

## Curing time / throughput

- Fully adjustable curing time ranges between 15 sec. and 80 sec.
- Typical throughput 45-240 wafers/hour (depending on type of UV tape)
- Automation from magazine to magazine on request

## Size, weight and wafer size

|             | U-200    | U-300        |
|-------------|----------|--------------|
| Wide:       | 400 mm   | 460 mm       |
| Height:     | 170 mm   | 170 mm       |
| Length:     | 695 mm   | 1000 mm      |
| Weight:     | 18 kg    | 35 kg        |
| Wafer-size: | up to 8" | up to 300 mm |
| Frame-size: | up to 8" | up to 300 mm |

## Electrics

|                           |                       |
|---------------------------|-----------------------|
| Main power                | 110-240 VAC, 50/60 Hz |
| Power consumption approx. | 120 W                 |
|                           | 180 W                 |

## UV-LED

|                                     |                   |
|-------------------------------------|-------------------|
| Wavelength                          | 365 nm +/- 3 nm   |
| Optical power output max.           | 750 mW            |
| Dose (depend on conveyor speed)     | up to 1200 mJ/cm2 |
| No of installed high power UV LED's | 48                |
|                                     | 72                |

## Others

Build according to IEC 204-1  
CE marking

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