

UV Curing Blocking Adhesive

NBA107 is a single component, UV curing adhesive used to temporarily bond optical components to metal polishing fixtures. The adhesive cures by exposure to UV light, thus eliminating the heat-induced strain typical of hot-pitch mounting methods. Deblocking (removal of the optic) is accomplished by immersing the optic in warm water (80 °C).

- Temporary Bonding of Optics to Metal
- Ideal for Polishing Applications
- Cure with UV Light
- Remove with Warm Water



| ITEM# | \$ | £ | € | RMB | DESCRIPTION |
|--------|----------|---------|---------|----------|--------------------------|
| NBA107 | \$ 74.00 | £ 51.30 | € 65,70 | ¥ 624.90 | UV Curing Block Adhesive |

UV Curing System

- >90 mW/cm² Intensity Delivered Out the Fiber Optic Tip Over the 300 - 400 nm Range
- 600 mW/cm² Visible Lamp Output
- Complete System Includes 8 mm Tip, Safety Goggles, and Free Replacement Bulb
- Continuous Operation with Audible Tone in 10 s Intervals
- Bulb Life >800 Hours (20 s Exposure Cycles)
- Ideal for All of Our UV Curable Adhesives
- Lightweight, 10 oz Handpiece with 360° Swiveling Light Guide

This easy-to-use, UV light source is designed to provide a high-intensity source of UV radiation in the 350 to 380 nm spectral range. This wavelength range is where the photo-initiators for most UV-curable adhesives are most sensitive. With this system, you are in control of exactly when your adhesive cures, which allows for precise alignment of your optical or mechanical system prior to rapid curing.



UV Curing System

| ITEM# | \$ | £ | € | RMB | DESCRIPTION |
|----------|-------------|----------|------------|-------------|---|
| CS410 | \$ 1,345.30 | £ 932.60 | € 1,194,40 | ¥ 11,360.00 | Complete UV Curing System, 100-120 VAC* |
| CS410-EC | \$ 1,345.30 | £ 932.60 | € 1,194,40 | ¥ 11,360.00 | Complete UV Curing System, 230 VAC* |

*Includes UV Light Source, 8 mm Tip, Safety Goggles, and Replacement Bulb

UV Curing System Accessories



CS410B
Replacement Bulb



CS420
Ø3 mm x 7 mm Curved Tip



CS300
UV Protective Goggles



CS421
Ø13 mm x 38 mm
Straight Tip

Thorlabs offers a range of accessories and replacement parts that can be used with our CS410 and CS410-EC curing systems featured above. Replacement UV Halogen Bulbs can be purchased, as can a curved or straight tip. For safety from the UV radiation, UV protective goggles are also available.

Accessories

| ITEM# | \$ | £ | € | RMB | DESCRIPTION |
|--------|-----------|---------|----------|------------|-----------------------------|
| CS410B | \$ 69.60 | £ 48.30 | € 61,80 | ¥ 587.80 | Replacement Bulbs |
| CS420 | \$ 127.50 | £ 88.40 | € 113,20 | ¥ 1,076.70 | Ø3 mm x 7 mm Curved Tip |
| CS421 | \$ 127.50 | £ 88.40 | € 113,20 | ¥ 1,076.70 | Ø13 mm x 38 mm Straight Tip |
| CS300 | \$ 21.00 | £ 14.60 | € 18,70 | ¥ 177.40 | UV Protective Goggles |