

Photo Crystal Starter Kit

A portable and practical tool for making unique and custom Photo Crystals.

Our Photo Crystal Machine allows you to create a wide variety of custom crystal gifts or souvenirs using any image you have taken with a camera, or one, which you have created on a computer. These crystals can be used for a plethora of events including birthdays, graduations, weddings, wedding anniversaries, family reunions, and more. They can be given as gifts or presented as awards for outstanding performances. The sky is the limit as far as what you can dream up and apply to your crystals.

Our Photo Crystals are made of the highest quality materials, precision-cut and polished to our strictest standards. Our crystals are free of impurities and any color hues found on lesser-quality crystals out there. We have developed 31 crystals of assorted shapes and sizes, perfect for any occasion. We're confident you will find a Photo Crystal for each and every one of your needs.



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UV-800 box includes:

- UV-800 Photo Crystal Curing Machine
- Replacement ultraviolet bulb
- Replacement white fluorescent bulb
- Instructional DVD
- Template CD
- User manual
- Power cord

Starter Kit accessories:

- G3136 Shadow less Glue – Crystal to Film
- G3138 Shadow less Glue – Crystal to Crystal
- JF-800 Transparent Jet Film
- 31 assorted photo crystals

STEP-BY-STEP GUIDE

1. Print your digital image(s) out on the shiny side of the JF-800 transparent film, giving yourself about ¼” of extra room and allow enough time to dry. *Note: Use ‘regular’ quality print settings as if you were printing a webpage from the Internet, but be sure to use ‘transparency film’ settings if your printer has it. If it is not available, just use ‘plain paper’. It is not necessary to use ‘photo quality’ ink settings, as this will print too much ink, so please be sure to use standard/default ink settings for best results.*



2. Trim the image down to a workable size, leaving extra-unprinted space, again to help with crystal application.



3. Place the printed transparent film onto the frosted glass platen, image/glossy-side up. Use the transparency's protective film (supplied with every piece of film) to keep glue from contacting the glass surface by placing the thin film underneath your printed transparency.

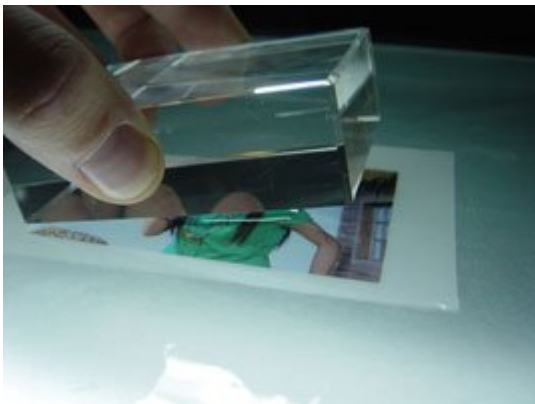


4. Apply the necessary amount of glue to the image area, roughly 33% of the area should be glue, see image below for guidance. *Note: Glue amount will vary from crystal to crystal*

Warning: Do not let any glue contact the glass itself. If glue does contact the glass, immediately wipe it off. If glue is contacting the glass when the lights are turned on, it is difficult to remove the cured glue.



5. Immediately place the crystal slowly onto the glue at a slight angle to minimize bubbles. The key is to get the bubbles to the edge of the crystal, making them disappear. This is achieved by working the crystal around in small circles, steadily moving any bubble to the edge.



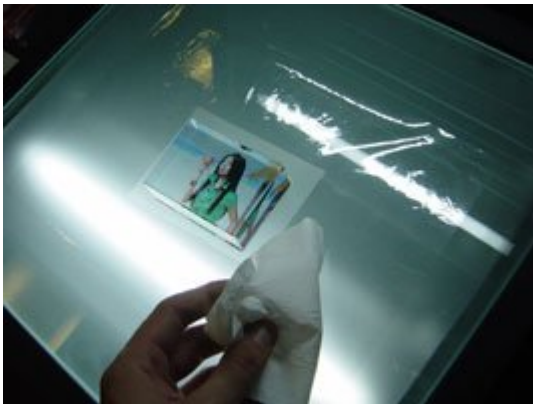
6. In the event of bubbles in the middle area (if you forgot the above steps), it is not a problem. Slide the crystal around in a small circle, attempting to get the bubble to move away towards the edge of the crystal, where it will go away. This will initially take some practice, but is only needed if the crystal was not angled when placed, or placed too quickly. Of course, the glue can always be wiped away and with a new print, the process can be restarted.
 7. Make certain the glue is distributed to every corner. Everything is fully visible through the clear crystal. You will clearly see a line between where there is glue and where there is not. *Note: Ideally, from the time the glue is placed upon the transparency until the time you have eliminated bubbles and spread the glue to the corners, only 15-20 seconds should have passed.*
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8. While keeping a finger on the crystal to keep it from sliding around on the layer of glue, turn on the main lights (MAIN UV) switch for 20 seconds. *Note: Wiggle the crystal slightly and when it is difficult to move, turn off the lights.*

Tip: If using a level surface area, holding the crystal by hand is not necessary.



9. Now that the glue is slightly cured, it is now easier to wipe away the excess glue around the edges of the crystal with the crystal moving out of place. Lightly wipe away any excess glue with a tissue or similar absorbent disposable material.



10. Once you have cleared away most of the excess glue, with the timer set for 30 seconds, drop the lid to fully cure the glue. When the timer beeps, the UV lights will have been turned off. Open the lid. Your crystal should have been exposed to the UV lights for 45-50 seconds total.

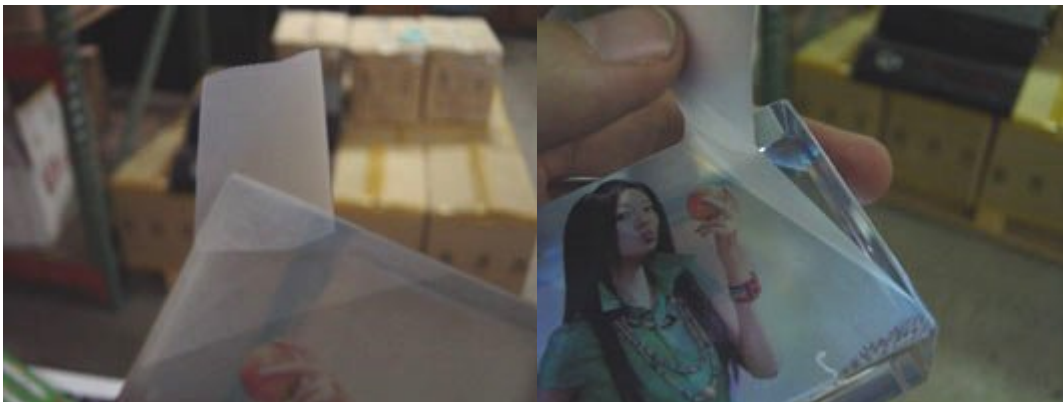
11. At a 45-degree angle, cut away any excess film directly on the frosted glass platen. *Tip: If using a box cutter/razor knife, start early and finish late, repeating 2-3 times to eliminate any uncut areas. Do not pull away the film on uncut areas - make sure it is cut. If you were to pull away the film from the crystal, you will have to start over. The film should cleanly fall away.*



12. At a 45-degree angle, cut along the beveled edge of the crystal, as shown. This will clear away any excess film and glue for final presentation.



13. Using clear tape or fingernail, peel away the thin, protective layer on the back side.



14. Congratulations on completing your first Photo Crystal!
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