

Impactor Instructions

Tools You'll Need

- Small scissors with 1–2 in. blade or a mat knife with a new blade
- A scribe (available at hobby stores) or large sewing needle (or you can use the back of the mat knife)
- Metal ruler
- White glue for best results (a glue stick can be used)
- Wax paper
- Heavy book
- Cutting board or cardboard

General Techniques

Scoring

BEFORE cutting out the parts, you must score them. Scoring slightly weakens the paper, making it easier to fold. To score:

- Lay the part page on a cutting board or cardboard to protect your furniture.
- Find where a fold is marked on the part with a dashed line (---).
- Carefully line up the ruler with the dashed line.
- Use a scribe, sewing needle, or the back of the mat knife to gently draw along the ruler.

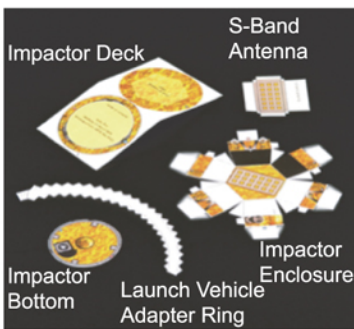
Cutting

Carefully cut out the parts with scissors or with a mat knife and ruler.

Caution: Mat knives are extremely sharp!

Folding and Gluing

BEFORE gluing any parts, fold them and check their fit. Then apply glue sparingly; too much glue will warp the parts. You may want to apply glue to very small parts with toothpicks.

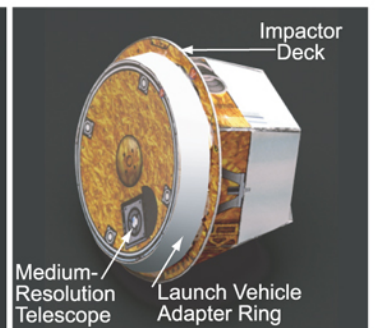
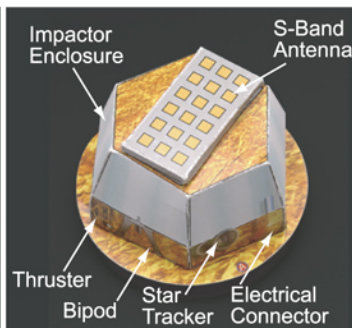
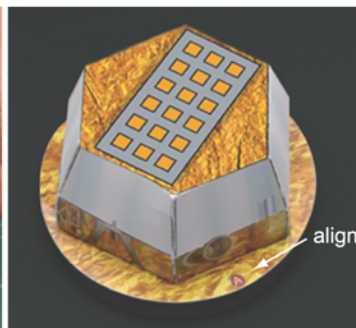


1. Score the folds, then cut out all the parts. **Important:** Leave some white space around the **impactor deck** as you cut it out. Fold it, then glue the two halves together. Wrap it in wax paper, and press it in a heavy book overnight. Then trim it to the black edge as marked.

2. Glue the ends of the **LV adapter ring** together, then fold all of the pointed tabs in.

3. Glue the **impactor bottom** to the smaller diameter side of the LV adapter ring. Let dry.

4. Glue the impactor deck to the larger diameter side of the LV adapter ring—being careful to align the A and B letters on the deck with those on the impactor bottom. Let dry.



5. Apply glue to the **impactor enclosure's** tabs, then form its sides as shown. Let dry.

6. Glue the enclosure to the top of the impactor deck, aligning the A and B letters. Let dry.

7. Glue the **S-band antenna** on top of the impactor enclosure.

8. Here's the finished impactor.

You've done it—you've built the Deep Impact impactor! Display your model by hanging it or mounting it on a stand.