

Arch 3690 Intermediate Computation and Fabrication

Tue. 11:30 pm - 1:30 pm | Fri. 11:30pm - 1:30pm

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ASSIGNMENT 02 PART A MATERIAL EXPLORATION - PLEXI BENDING

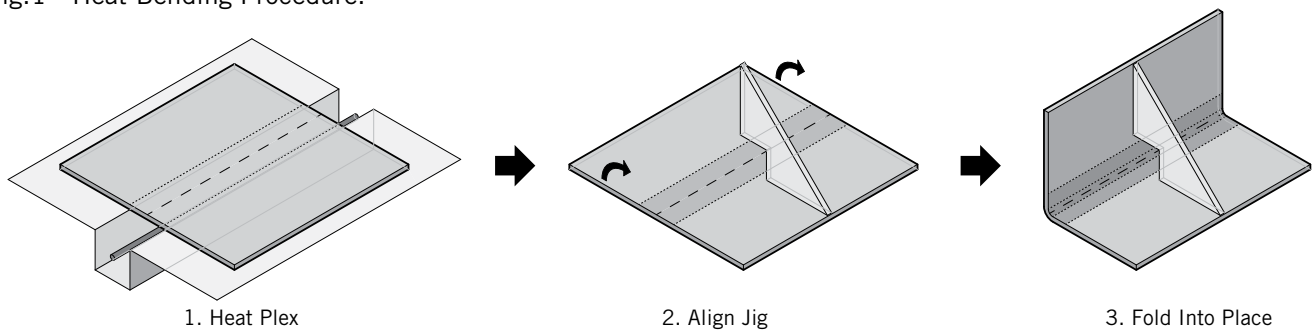
The assignment, through prototyping and hands on fabrication, is to explore the capabilities of the heat-bender and 1/8" acrylic. The introduction of this new technique will allow you to realize designs which very closely relate to those of break-formed metal. However, a plastic strip bender is not as precise as a hydraulic or CNC press break. It is therefore vital that you have a basic understanding of the equipment before you begin the design process.

DUE: October 1st, 2013

Assignment Goals:

1. Familiarize yourself with basic equipment operation.
2. Understand basic limitations and possible benefits of the heat-bending process.
3. Find possible capabilities of the material or heat-bender which may not be "standard" uses.

Fig.1 - Heat-Bending Procedure.



What you need to bring to the class:

At least (2) examples of these (4) test types:

1. Acrylic piece with a single fold.
2. Acrylic piece with multiple folds.
3. Acrylic with a tab fold (how small before failure).
4. Your own custom exploration.

Fig.2 - Assignment Types.

