

# Box Cooker

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- [Box Cooker Construction](#): Details of construction of three different sizes of cookers
- [Performance Testing](#): Determination of important variables involved with box cooker operation.
- [Energy Analysis](#): A rough analysis of embodied energy and payoff period for a solar box cooker of our design.
- [Paint Testing](#): The paint on the exterior of the solar ovens used in Nicaragua rapidly peels, which gives people a negative impression of their quality, and makes it more difficult to convince people of their viability as a cooking tool. We have conducted tests to determine the best way to prevent this from happening.
- [Strain Gauges](#): These are used to determine the amount of strain on the glass top of the cooker, allowing determination of where the glass is likely to crack.