

## CASE STUDY

### SD-900



During an automated packaging process, materials can become unstable causing the components to shift during transport. An international manufacturer of solar cells turned to Glue Dots International to resolve this very issue.

#### The Problem

##### Cables Shift During Packaging and Transport

The manufacturer discovered that their solar cell's cables were shifting during the automated packaging process, compromising the manufacturer's products during their shipping process.

Packaging the solar cells left very little space between the glass panels and the manufacturer needed to ensure the panel's cables would not shift and slide during packaging and transport.

Glue Dots' pressure-sensitive adhesives were successful in keeping the cables in place, but the manufacturer needed them to be applied faster and with increased accuracy than what a hand-held applicator would allow.

#### The Solution

##### SD-900 Provides Accuracy and Increased Speed

With a dot placement accuracy of +/- 3/32 inch and the capability of 300 applications per minute, the fully automated SD-900 adhesive applicator was recommended to replace the manual applicators being used.

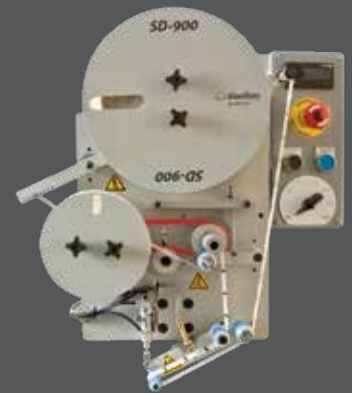
The SD-900 easily integrated into the existing assembly line and was programmed to apply two adhesive patterns on the edge of each panel. This allowed the cables to be secured in place and eliminated damages caused by shipping.

#### The Resolution

##### Cables Stay Connected

By integrating the SD-900, the manufacturer increased output and performance while ensuring packaging integrity for transport. In addition, the automated process provided cost savings in labor and maintenance.

"We are highly satisfied with the performance and reliability of the SD-900," said the manufacturer's process engineer. "It was an easy-to-use, high-volume applicator with no complicated maintenance requirements."



#### Key Takeaways

- By working closely with the manufacturer, Glue Dots representatives were able to provide the right adhesive solutions to meet the specific needs of the project.
- Glue Dots® adhesives increased output while protecting package integrity during transport.
- The fully-automated SD-900 and Glue Dots adhesive combination enable the manufacturer to save labor and maintenance costs.

