

CASE STUDY



Increased Productivity with Glue Dots®



A major producer of engine products realized increased productivity in its production process when using Glue Dots adhesive products in combination with the Auto Dot® Pro adhesive dispenser.

The Problem

Production Floor Productivity

The engine manufacturer's production process involved covering a wire harness with a fabric sleeve that was then heat-shrunk to protect the wire harness. They also wanted to create a more aesthetically appealing product. For the sleeve to remain in place during the heat-shrinking process, the end of the sleeve had to cover and adhere to a plastic connector.

Working closely with the manufacturer, Glue Dots provided an adhesive that allowed the work crew to successfully secure the sleeve before the heat-shrinking process. The adhesive proved to be a huge success, but the company's manufacturing engineer quickly realized that a manual process would prove to be too slow to keep up with growing production demands.

The Solution

Faster Application Creates Faster Results

Upon learning about the efficiency concerns, Glue Dots recommended that the engine manufacturer utilize an Auto Dot™ Pro dispenser at the end of their assembly line. The Glue Dots were applied more quickly; the Auto Dot Pro's photo eye sensor automatically advanced the adhesive liner once the operator applied an adhesive pattern. This sped up the process significantly and operators could easily apply adhesive to both sides of the plastic connector, wrap the wire harness in the fabric sleeve and successfully move the wire harness through the heat-shrinking process.

The Resolution

Production Efficiencies Rise to Meet Product Demand

"Since adding the Auto Dot Pro to the assembly process, productivity has improved 50 percent," stated the manufacturing engineer. The assembly rate increased from 125 parts per hour to 229 parts per hour. The success of the project allowed the engine manufacture to meet growing production requirements and install additional assembly lines using the Auto Dot Pro dispenser.



Key Takeaways

- By working closely with an engine manufacturer Glue Dots' representatives were able to provide the right solution for their project's specific needs.
- Glue Dots® adhesives allowed the manufacturer to hold components in place during the assembly process.
- The Auto Dot™ Pro dispenser and Glue Dots™ adhesive combination enabled the manufacturer to increase efficiency 50 percent.

