



Advanced Manufacturing

Near real time data using
RFID drives manufacturing
efficiencies

Dipole developed a reader and tag solution that automatically reads tags in any position, achieving read rates over 99%.

Industry 4.0 is also about optimization, which needs decisions based on data. RFID technology is helping the transformation by revealing the near real time performance of production lines.

The Challenge

One of the largest manufacturers of components in the automotive world are using RFID technology to identify opportunities to improve efficiency, and roll-out improvements to factories all over the world. The improvements will be exponential for a company manufacturing millions of production units annually.

The Solution

For solution provider Dipole, the challenge started with one group of components, car bumpers. In the production line the manufacturer was losing data due to poor read performance in the painting stage. The metal structure that carries the vehicle through the paint line creates multiple interference challenges for RFID readers. Dipole developed a reader and tag solution that automatically reads tags in any position, achieving read rates over 99%.

The Result

The manufacturer team now has complete traceability of the product for the entire production line, and real time data to identify improvement opportunities.

The Benefits

- Cost savings
- Improved Data Quality
- Increased Customer satisfaction
- Compliance

RFID label: Avery Dennison Smartrac
Hardware: Dipole



To learn more about how Avery Dennison RFID solutions can help your business, visit rfid.averydennison.com