

AIDC for Industry

**Bar Codes
Enable Work-in-Progress
for Tire Manufacturer**

Work-in-progress tracking

A tire manufacturer needed to eliminate manufacturing errors by automating part of the manufacturing process.

It was essential that specific custom-built machines accurately determined the exact orientation of each tire. By replacing their manual system with a machine applied bar code label and an extended read range scanner, the manufacturer was able to eliminate manufacturing errors and dramatically reduce the unnecessary waste of materials and product.



The installation



To replace their manual system, the manufacturer first installed a printer to produce bar code labels.

A bright light with a focused beam was then installed on one of the machines to shine on the tires to mark exactly where the line operators needed to place the bar code label on the tire.

Since the bar code scanner would be mounted inside one of the custom machines, it needed to be able to read the bar code label over a distance of 30 inches or more.

Why the Extended Read Range Scanner



The extended read range scanner provided the following features:

- Programmable sweeping raster
- Easy setup
- Long read range
- Auto focus

The bottom line

By automating the work in progress tracking system, the manufacturer dramatically decreased the fall out rate they had previously experienced with the previous system.

As a result, the company increased production, decreased manufacturing costs, and received its return on investment for the entire installation in less than a year..



More information

- If you would like further information about the extended read range scanner, we recommend you check out the product specifications or additional applications demonstrating its capabilities
- If you have questions regarding this topic, send us an e-mail to training@microscan.com