

AIDC for Industry

Bar Code Readers Streamline Manufacturing Process

Streamlining operations

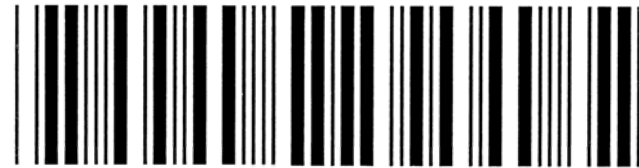
An engine manufacturer needed to maximize production by increasing line speeds.

They needed a scanner that could read the bar codes on the engines as they moved passed the scanner without requiring a line stop for each read. After installing several extended read range scanner, the manufacturer not only eliminated the production delays, but were able to increase line speeds even more than they originally had intended.



The symbol

Code Types: 10 mil Code 39
black on white
thermal transfer

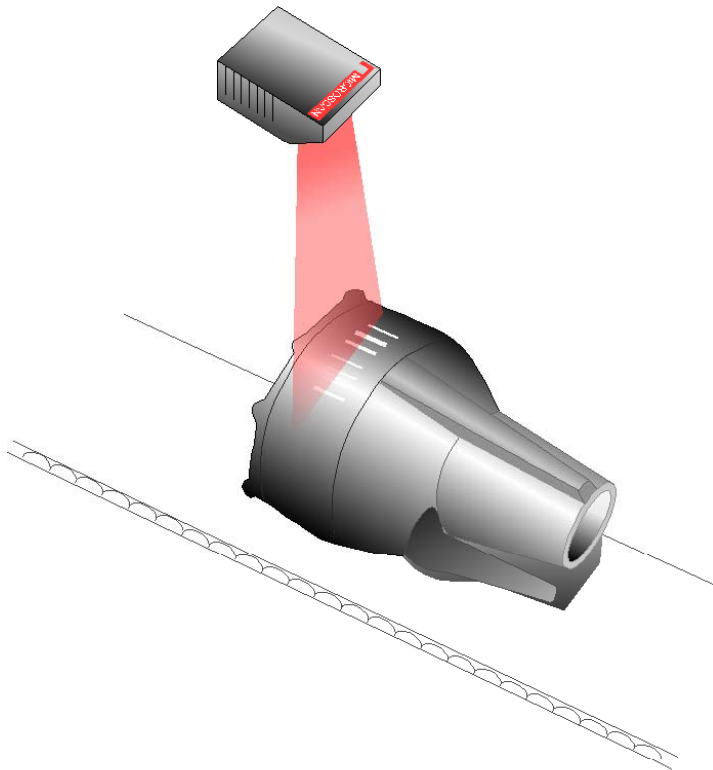


Code 39

Application:

The bar codes on the engine are applied in ladder orientation and pass by the extended read range scanners at a distance of approximately 48 inches.

The installation



The extended read range scanner was mounted to a post beside the conveyor. The laser is programmed as a static line and crosses the conveyor at a 45 degree angle to read the bar codes on the engine block approximately 48 inches away.

Since these scanners have an extended read range of more than 7.5 feet, it could easily read the bar codes on the engine block over the required distance without slowing down production speeds.

Why the Extended Read Range Scanner



The extended read range scanner provided the following features:

- Long read range
 - Able to read over a 48" distance
- High speed scan rate
- Auto focus
- Sweeping programmable raster
 - Allowed engine manufacturer to get a good read regardless of where the engine block was located on the conveyor.

The bottom line

By installing a data capture system that could read the bar codes dynamically without requiring conveyor stops, the manufacturer was able to increase production throughput and meet product demands



More information

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