



**VIZZITEC**  
Germane Innovation

**VIZZITEC SOLUTIONS PVT. LTD.**  
CASE STUDIES

# BEARING INSPECTION

The customer is one of the world's largest producers of the ball bearing and has manufacturing plants across the globe. The vision system is used to detect the seal presence in the bearings and the wrong assemblies were also detected.

There were few challenges in the development like choosing the lens for various types of bearings and tuning the lighting part. The entire system including handling system was developed by Vizzitec and the calibration software was also developed. The auto calibration software stops the line after the set number of bearing counts. The calibration cycle includes set number of master bearing checking and the system stops if the calibration is not paused.

The removal of defective bearing is watched by the same camera which is used for the inspection. The customer checked repeatability and reliability for the 250K components and found 100% results. The customer is happy and the relationship is continuing to have more requirements fulfilled through Vizzitec.

