

# SEAT WRINKLE

## DEFECT DETECTION CASE STUDY

### PROBLEM


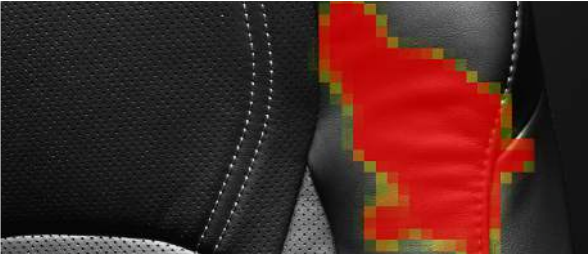

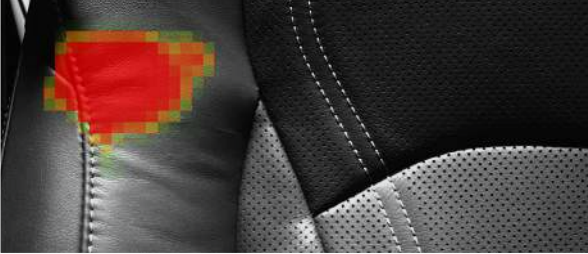
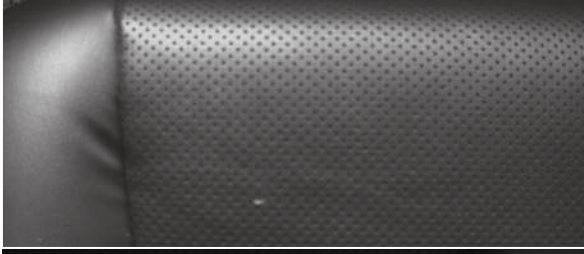
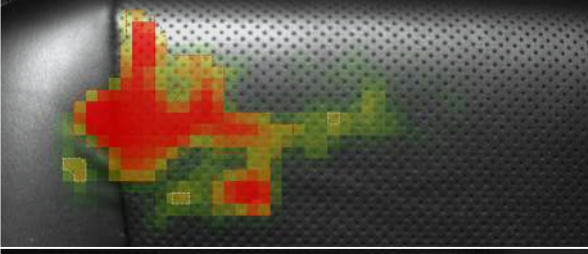
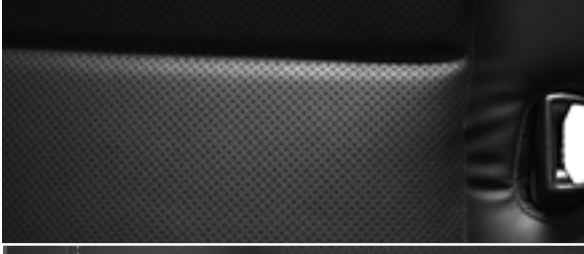
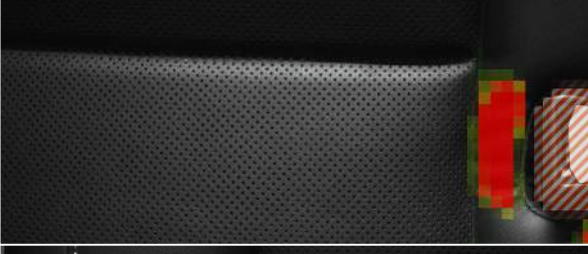
BOS was contacted by a customer to test deep learning inspection to identify the presence of wrinkles in seats.

### SOLUTION

BOS acquired images of several seats, some with wrinkles, some with not, offline in the BOS vision lab. Using only the images of non-wrinkled seats and the defect detection tool, a deep learning model was built on the BOS I-DV deep learning machine vision system.

### RESULT

The deep learning model on the BOS I-DV was able to successfully identify 100% of the seat wrinkles.

	Before Image	BOS I-DV Result
Defective		
Defective		
Defective		
Defective		
Good	