

EXTERIOR TRIM

OPTION CLASSIFICATION CASE STUDY

PROBLEM







BOS was contacted by a customer to test the effectiveness of deep learning inspection to identify if the correct door handle (painted or chrome) was installed on the vehicle. The customer had previously automated the inspection using traditional machine vision but due to glare and color variation, it was difficult for the system to maintain a high accuracy rate.

SOLUTION

Using images acquired by the current vision system, BOS vision engineers created a deep learning model on the BOS I-DV deep learning machine vision system.

RESULT

The BOS I-DV was able to successfully identify each option with 100% accuracy.

Door Handle	Vehicle Colour	BOS I-DV Result	
Painted	Silver		✓
Chrome	Silver		✓
Painted	Black		✓
Chrome	Black		✓
Painted	Red		✓
Chrome	Red		✓