

# Case study

Control your manufacturing process  
with error proofing solutions



## Challenge

The challenge for our customer is producing seat models with airbags, in total more than 20 different variants. As the airbag is classified as a critical item, assuring that the driver and passengers travel safely, quality assurance and error proofing are essential to the assembly process.

Up-to-now, our customer has had neither production process results transparency, or assurance of zero mistakes when assembling the seats. The higher number of variants in the new airbag model assembly increases the complexity of the task, and the potential for error.

## Solution

Atlas Copco has already had a long time partnership with the seat producer's customer (OEM).

This facilitates working closely together on site, both with our customer as well as with the OEM's engineering team, creating together a global standard solution in place.

The Atlas Copco error proofing solution prevents seats leaving the workstation with faults or missing processes, avoids scrapped material and rework. The customer now gets the transparency they need to improve production process.

ANNUAL SAVINGS  
**\$1,000,000**

## Impact

The rework of a seat out of the workstation is costly and even higher when the seats are at the OEM site. Costs increase dramatically if the vehicle leaves the OEM's production site with a fault or process step missed in the assembly, costs that can quickly escalate if a fatal event occurs as a direct result of the seat assembly and its airbags.

The Atlas Copco global error proofing solution supports to have assembly "right first time" and eliminates the different rework costs levels.

*"Before implementing Atlas Copco software solution, we had a daily rework rate of 1%, and the rework was done at OEM's site", comments our customer.*



**REWORK COST PER CAR SEAT:**  
**\$2,000 USD**



**DAILY REWORK RATE COST:**  
**\$5,760 USD**



**PAYBACK IN MONTHS:**  
**52 DAYS**



**TOTAL ANNUAL SAVINGS:**  
**\$1,000,000 USD**

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