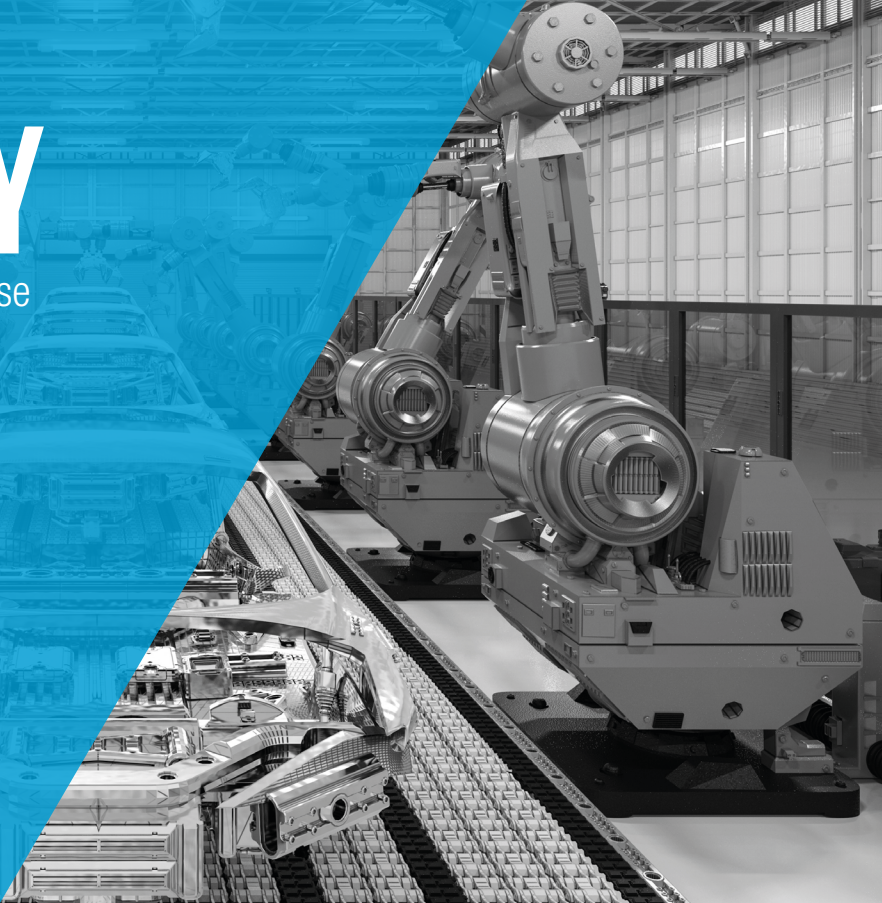


CASE STUDY

Helping automotive manufacturer increase sustainability while reducing costs



Sourced, supplied and saved on downtime.



Industry:
Automotive



Application:
CNC Machine



Cost Saving:
19% cost saving

The issue

ACORN was contacted by a Reliability Engineer for a top car manufacturer as they were replacing a high volume of ball-screws, linear bearings, and spindle collets. Due to this, they were looking to generate a repair strategy with a local supplier that could provide a sustainable work stream and lower costs compared to purchase new.

The solution

Ian Askey, Acorn's Linear Technical Sales Advisor carried out a detailed inspection of the process. A full report was then produced to determine the full extent of damage to the parts. Following the inspection and report, it was determined the ball-screws were to be 'rebuilt for further period of service', having suffered light fretting on the shaft raceways and heavy fatigue on both the ball nut raceways and rolling elements.

After a successful repair, the manufacturer conducted a strict testing process and was delighted with the results. Acorn have now repaired a total of 17 ball screws of different sizes and designs, providing the customer with a 19% cost saving.

Acorn Industrial Services Ltd
Unit A, Denby Way, Hellaby Industrial Estate
Rotherham
S66 8HR

T: 0800 8766 411 E: enquiries@acorn-ind.co.uk W: www.acorn-ind.co.uk

