

ORIGA RODLESS CYLINDERS @ WORK: CAR TRANSFER

Problem

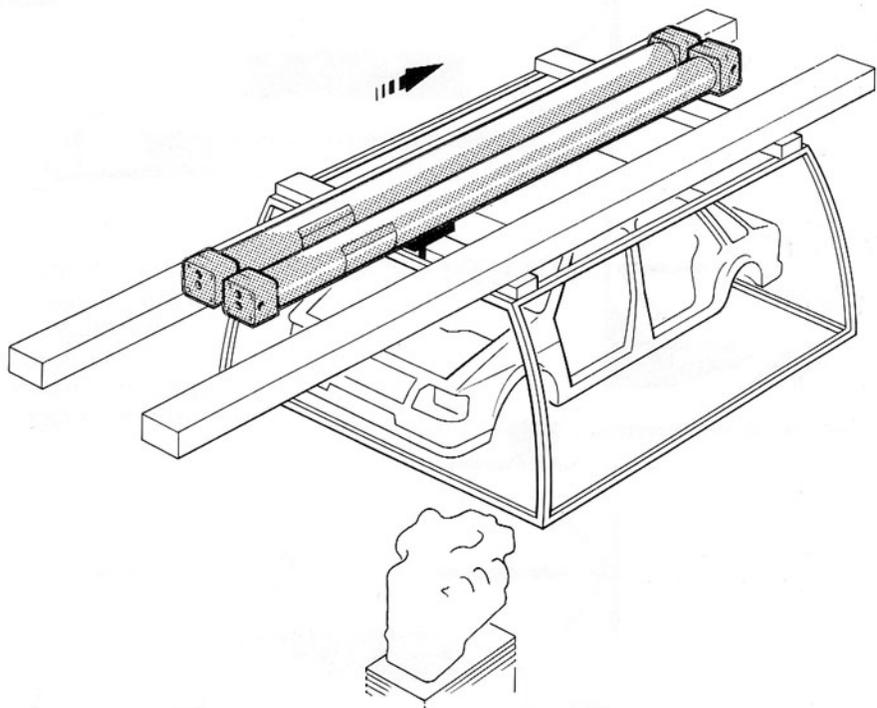
A company commissioned to construct a mechanical handling system for the Rover 820 series assembly line faced the problem of indexing 7 partially assembled cars a distance of 6 meters to the engine "stuff up section". Movement of the total 7300kg load by overhead monorail had to be smooth, controlled, and repeated with reliability.

Solution

Installing two Origa 80mm diameter x 6000mm stroke Rodless Cylinders solved the problem. Used in parallel, the Origa cylinders enabled the handling system to index repeatedly and ensure smooth control of the traverse motion. This system proved far less complex than electric motor or chain drive alternatives and was robust enough to handle the 7300kg load.

Results

Continuous reliability of the assembly line is essential to keep highly expensive downtime to a minimum. The Origa Rodless Cylinders have proved to be free of trouble over many hours of production and constitute a critical component in system producing 40 cars a day.



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Applications