

ORIGA RODLESS CYLINDERS @ WORK: DIE TRANSFER

Problem

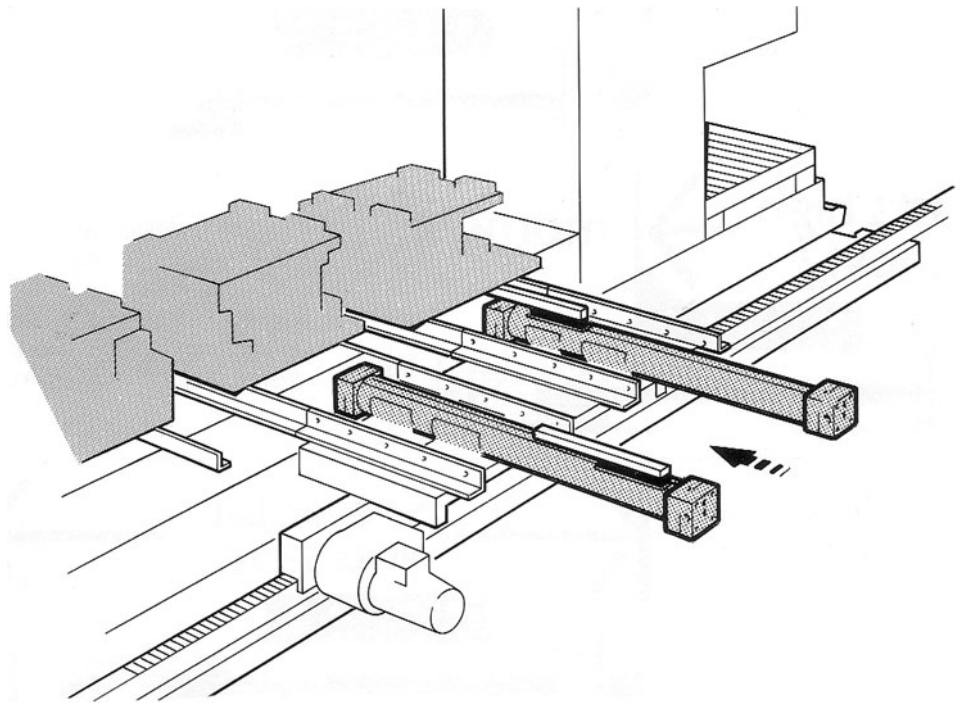
Two men took forty minutes to transfer a heavy tool die from a storage area adjacent to a car body panel press onto the die stock bed of the machine and to return a redundant die to the storage area. This operation occurred several times per shift and the company soon realized that the automation of this process would be necessary to retain the competitive edge and cost-effectiveness of their production line.

Solution

The design company tasked with modifying the handling system, and decided to use two 80mm diameter, 1035mm stroke Origa Rodless Cylinders mounted onto a mobile transfer unit capable of tracking from the storage area to the machine. The inherent rigidity, self-guidance and bi-directional capabilities of Origa cylinders made them the ideal actuator to withdraw a tool from the store and insert it onto the machine bed.

Results

Utilizing Origa Rodless Cylinders in this automated application miraculously reduced the time taken to change 1 tone tool dies to 3 minutes, using only one operator. The excellent stroke to overall length ratio and reliability of the cylinders provided this company with a cost and space saving handling system in a very competitive business.



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Applications