Applications

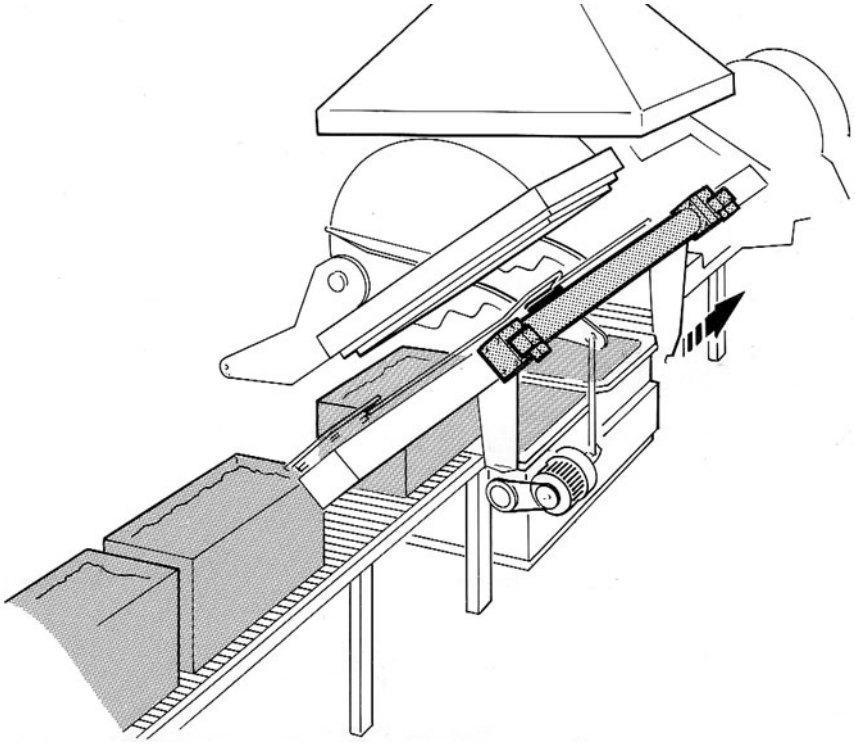
Origa Rodless Cylinders @Work: Casting Transfer

ORIGA RODLESS CYLINDERS @ WORK: CASTING TRANSFER

Problem
In-line automatic machines wash porous castings and then impregnate them with resin are normally extremely complex, bulky and inflexible in operation. A company required a transfer system that could be easily loaded and operated automatically between workstations, specifications that lead screw and conventional hydraulic actuators could not satisfy.

Solution
The company decided to mount a 63mm diameter 1228mm stroke Origa Rodless Cylinder horizontally between radial arms. Components are loaded onto pallets and conveyed to the first workstation. After treatment, the radial arms are rotated, enabling a shuttle arm attached to the piston yoke to engage the pallet and index it to the next part of the workstation; Origa integral control and proximity devices provide accurate sequence control of the operation.

Results
Origa Rodless Cylinders and control devices enabled this company to design and build a shuttle in-line transfer system that proved extremely reliable, compact, and virtually maintenance tree. This design configuration ably demonstrates the versatility of Origa cylinders.



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