

ORIGA RODLESS CYLINDERS AT WORK

Problem

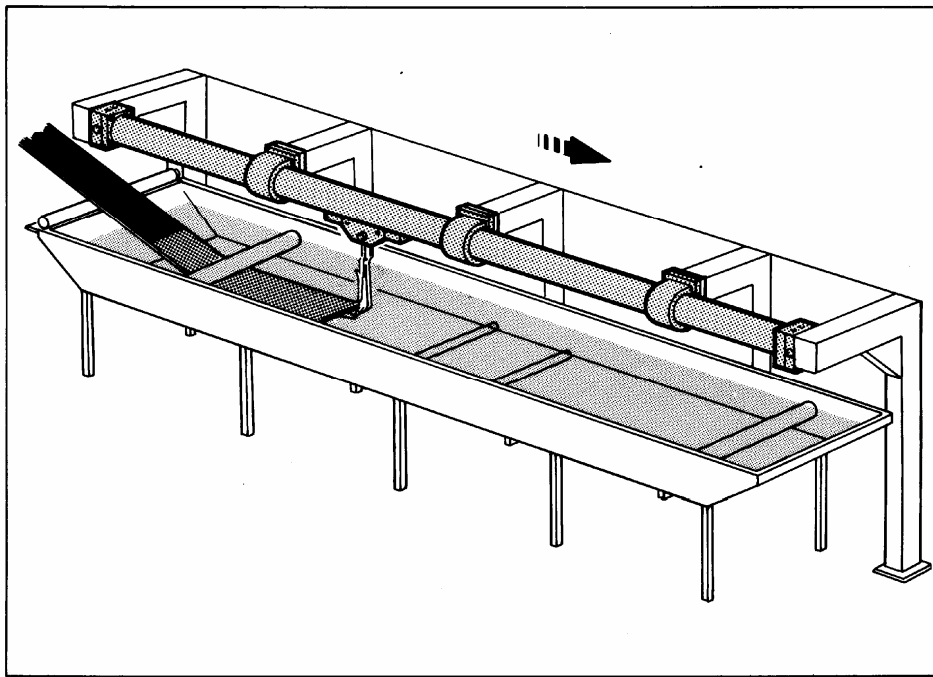
A major tyre manufacturing company required to semi-automate the process for cooling extruded rubber by drawing it through a tank full of water. Previously this had been a labour intensive manual task resulting in uneven pull and constant product rejection.

Solution

The design engineer of the company had the innovative idea of attaching a pair of mole grips to the piston yoke of a 63mm diameter, 5,500mm stroke Origa Rodless Cylinder mounted longitudinally over the centre of the tank. This enabled a constant pull with an even drawing motion of the rubber through the water and required only one operator to attach the grips to the product.

Results

By using Origa Rodless Cylinders in this application, the company designed an effective cost and space saving, semi-automatic handling machine. Maintenance downtime was reduced to a minimum and installation costs were low, factors that weighed against chain drive alternatives.



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