

ORIGA RODLESS CYLINDERS @ WORK: VERTICAL CLAMP

Problem

A major manufacturer of packaging equipment required a simple method of positioning a clamping plate at varying heights and with sufficient down force to facilitate the stretch film wrapping of irregular shaped loads. An electric motor driven lead screw alternative was rejected as being unsuitable for the high cantilever loads experienced during the process.

Solution

A vertically mounted 63mm DIA x 1730mm stroke Origa Rodless Cylinder connected to the clamping plate central axis point via a lifting beam proved the ideal solution. Being inherently rigid and with the ability to accept cantilever loads the Origa Cylinder greatly simplified the design keeping additional engineering costs to a minimum.

Results

By using an Origa Rodless Cylinder, this company have designed a compact, simple and cost effective solution to the problem. The robustness and reliability of the virtually maintenance free cylinder proved more than adequate to cope with the cantilever loads adding to the machines reputation for quality and reliability

