

## ORIGA RODLESS CYLINDERS @ WORK: ORIGA LIFT THE PARTS

### Problem

When **CGM** Mechanical Handling Ltd. of Coventry - manufacturers of automated handling systems - produced 'hitch lifts' and 'lowerators' with vertical lift of as much as three meters, they turned to Origa for the power source.

The hitch lifts are part of the gravity conveyor systems purpose-designed by CGM for a number of UK and Swedish car manufacturers. Located around the system, the Origa powered devices lift components automatically from one machining operation to the next.

### Solution

As a component rolls from the conveyor into the cage on the hitch lift, a proximity switch senses it and initiates a compressed air feed to the Origa cylinder which raises the cage bolted directly to its yoke.

At the top of the stroke the cam releases a safety catch and the component is allowed to roll off onto the next run of the conveyor and to the next machining operation.

### Result

Simple and compact, the Origa Rodless cylinders offer considerable space and cost savings. For a three meter vertical lift the hitch lift takes up little over 3.5 meters in total

