

# Applications

Origa  
Rodless  
Cylinders  
@Work:  
Steel  
Sheet  
Feed

## ORIGA RODLESS CYLINDERS @ WORK: STEEL SHEET FEED

### Problem

Conventional long stroke rod-type cylinders and chain drives powered by electric motor had previously been used to move trolleys filled with scrap sheet metal from the work area of a shear machine. However, both of these methods have proved unsuccessful because of their susceptibility to damage, and unreliability of operation in arduous working conditions, and available space was limited.

### Solution

Attaching the piston yokes of two 80mm diameter Origa Rodless Cylinders to the underside of the trolley. The cylinders were floor mounted between two linear slide tracks that support and allow traverse of the trolley. The structurally robust cylinders, having a stroke length marginally less than their overall length, are completely sealed and proved the ideal actuator in these adverse conditions.

### Results

The production company now have a cost effective and space saving handling system rugged enough to move 1100kg loads a distance of 2 meters. Origa Rodless Cylinders proved easy to install, are virtually maintenance free, and extremely reliable in operation.

