



## INDUSTRIAL SOLUTIONS

CONSULTATION DESIGN INSTALLATION and SERVICE

### LINEAR ACTUATOR REFIT

#### Introduction

FRS was asked by one of our customers to repair a pneumatic drive cylinder which was failing in service.



*before*

Once we had a look at the installation we realised that the drive was beyond repair and needed replacing.

The seals on the non-standard cylinder were worn and leaking, the linkage was sloppy and could no longer be tweaked. More importantly there were no spare parts available for the legacy positioner / controller.

#### Special Points of Interest...

- No spare parts available for legacy installations
- FRS designed actuator retrofit to suit unique installation
- All components in the retrofit are standard issue with replacement parts readily available
- FRS designed, sourced, assembled, tested and installed all components

#### Solution

Once we had determined that the unit was not repairable we began the search for a replacement. We soon learned that this installation was a "one of" and that none of the standard linear actuators available (pneumatic or electric) would fit.

**The FRS solution was to build our own modern equivalent.**

Our customer received a complete ready to install pneumatic drive cylinder complete with all linkages, brackets, a new air set and filter as well as a "SMART" electronic self-tuning positioner with signal feed back.

**All components are off the shelf... maintenance is no longer an issue.**



*after*