



Customer : **Manufacturer of blower units**  
Product group : **Motors, gearboxes and drives**  
Market : **Other industries**  
Application : **Belt drive alignment**  
Savings : **Time reduction**

# LASER AIDS BELT DRIVE ALIGNMENT

Fenner Laser Alignment Tool Reduces Installation Time



**Fenner**<sup>®</sup>  
THE MARK OF ENGINEERING EXCELLENCE

### CHALLENGE

One of ERIK'S largest OEM customers manufactures blower units which are used all over the world providing vacuum and pressure solutions for just about any air or gas application. The customer was having problems installing belts and pulleys accurately under quite tight time constraints.

They purchase all of their belts and pulleys from ERIKS and contacted us to see if we could offer any advice in the setting up of the belt drives. Each drive package could take anything up to 3 hours to correctly install and tension the belts, due to the complicated nature of their patented automatic belt tensioning system which was difficult to initially set up.

### SOLUTION

ERIKS looked at the problem and advised the use of a Fenner laser alignment tool to aid quick accurate alignment. The old method to adjust the tension of the belts could alter other elements of the alignment due to its design.

The use of the Fenner laser alignment tool meant that there was a visual guide from the laser light itself so you could physically see what effect any adjustments had for alignment. Fine adjustments could be made either angularly or axially, depending on the movement of the laser.

### SAVINGS

- Cost reduction
- Saving installation time

### OTHER BENEFITS

- Quick and accurate belt tensioning
- Significantly reducing installation time and saving money
- Fine adjustments can be made angularly or axially
- Optimised belt performance through correct installation

### FURTHER COMMENTS

The result was that the belts could be tensioned in minutes rather than hours saving the customer valuable time and money.