

# Reverse Dial Indicator Alignment

## **Productivity does not accept down-time!**

In virtually every industry rotating machinery plays a vital role. Motors, pumps, conveyors - Critical to all machine performance is the alignment of their drive shafts. So measuring how accurately they are aligned and how much you need to correct them is vital information. Every year the industry spends a tremendously large amount of money unnecessarily. Approximately 50% of all costs related to breakdowns on machines with rotating shafts are caused by misalignment.

All moves that are made by machinery, linear or rotating, are made more efficient and troublefree if the movement is done without friction, stress or tension. To avoid this the machines has to be properly aligned. ie: two shafts joined in a coupling needs to have a common center line to eliminate vibrations, lifetime reduction and waste of power consumption.

A range of inexpensive tools are now available to achieve a precision alignment; the Reverse Dial Indicator method has some real benefits over other commonly used techniques, such as Rim and Face.

### ***Why use the Reverse Dial Indicator Method?***

- Geometrically more accurate than rim and face method
- Less likely to be subject to space restrictions
- Sag is reduced: Only one dial indicator on each rod
- Shaft end play does not effect readings
- Easier to visualise shaft positions
- Easy to plot dynamic machinery movements (thermal growth)

### ***Optional Items***

- Computer with software for alignment (& balancing)
- PC Version Software
- Reverse Alignment Training Video
- Laser Alignment Systems



Please call our office or email [info@aptgroup.com.au](mailto:info@aptgroup.com.au) for further details. We can also provide Laser Alignment Systems for machinery alignment.

The aptGroup

Head office: Level 1, Suite 22, 450 Elizabeth St, Surry Hills NSW 2010, Australia  
Phone: 61 2 9318 0656 Fax: 61 2 9318 0776 Email: [info@aptgroup.com.au](mailto:info@aptgroup.com.au)