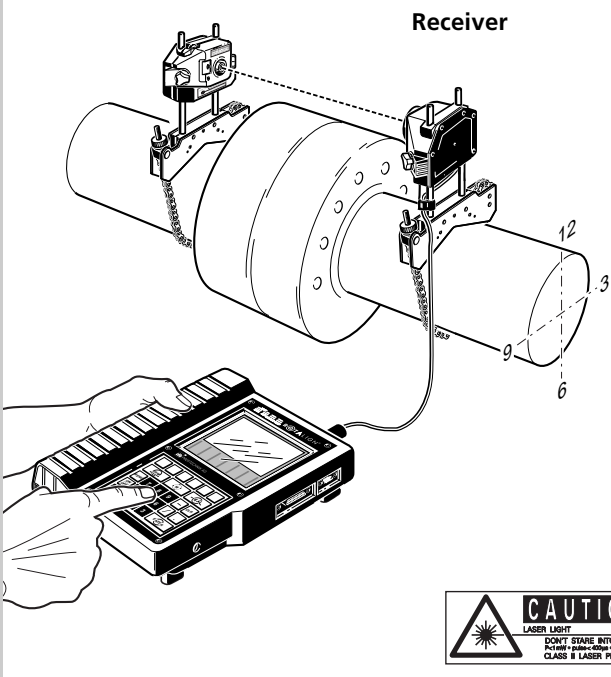




1. Mount ROTALIGN® & switch on

Select for a quick alignment evaluation.
If alignment is required then press for the horizontal machine alignment procedure.

Laser
on left or stationary machine



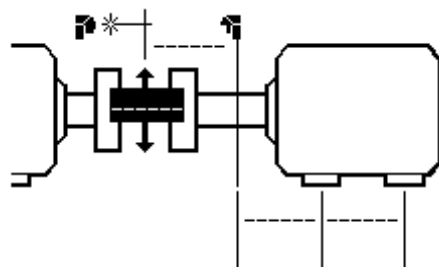
LUDECA Inc.
1425 N.W. 88th Avenue
Miami, FL 33172
www.ludeca.com
Phone: (305) 591-8935
Fax: (305) 591-1537
email: info@ludeca.com

Productive maintenance technology



2. Dimensions

To select inch/mm:



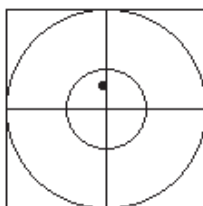
1. Coupling diameter
2. Coupling center to receiver
3. Receiver to front foot
4. Front foot to back foot



Inch fractions: For 9.75" type 9 3 / 4



3. Measure



Switch on laser. Adjust beam onto receiver dustcap, up/down by sliding laser on its posts (fine adjustment with top thumbwheel) and side-to-side with lower thumbwheel.

Remove cap and center dot on target. Check the XY VIEW.

	Red LED	Green LED	Screen
1. Out of range	Steady	Off	'OFF'
2. Edge of range	Fast blink	⇔ Fast blink	'END'
3. Adjustment OK	Off	Slow blink	'OK'

Rotate shaft one complete turn (or at least 75°).

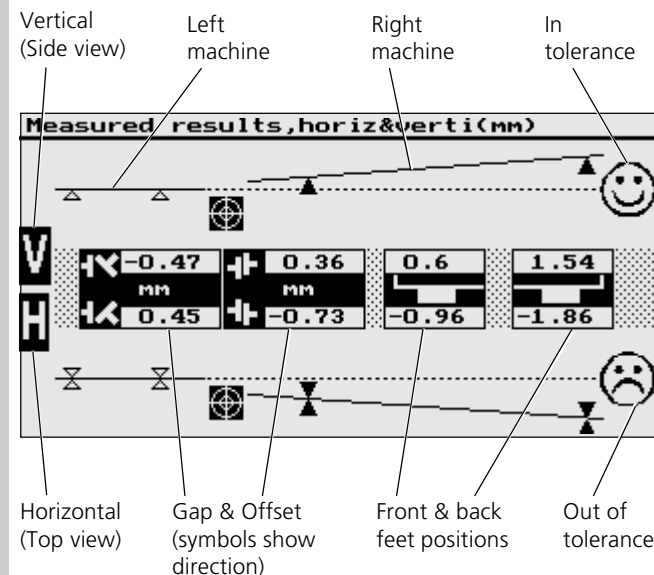


Tip!

Use these at any time



4. Results



5. MOVE function

Vertical adjustment:

- Turn shafts to 12:00 or 6:00. Press , then .
If necessary, readjust the beam, then press .
- Loosen bolts and shim machine.
- Retighten bolts and press .
- Remeasure and view results.

Horizontal adjustment:

- Turn shafts to 3:00 or 9:00. Press , then .
If necessary, readjust the beam, then press .
- Loosen bolts and move machine horizontally.
- Retighten bolts and press .

For very large horizontal corrections, adjust horizontally before shimming.

Reset:

In case of 'lock-up' press



all at once



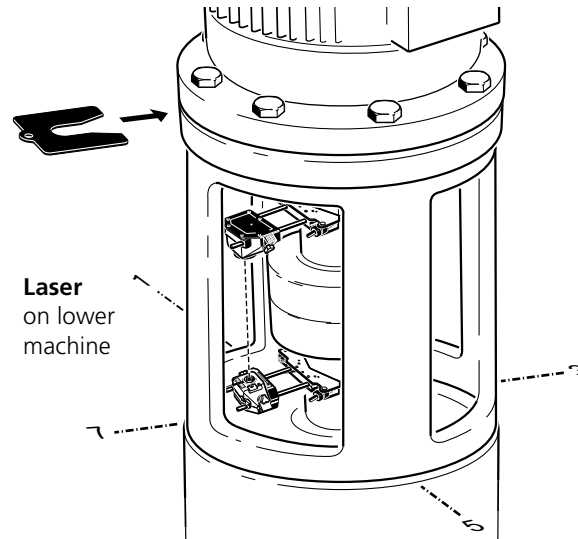
Main menu



MACHINE SETUP	Select machine types: 'normal 4-feet', '6-feet', 'single bearing', 'V-form'. Left machine can be made moveable.
COUPLING TYPE	Select 'short flex', 'single plane' (solid) or 'spacer shaft'. CHANGE MODE selects the format for coupling misalignment values.
MEASURE MODE	Select 'Continuous sweep' (the default), 'Measure at 0,3,6,9', 'Multipoint', 'Pass mode' (for uncoupled shafts) or 'Dial gage values' (to convert hand-entered values).
SOFTFOOT	Select foot softkey & loosen bolt. Value appears - press STOP and retighten. Results must be carefully analysed to determine the correct shimming.
COUPLING TARGET	Enter the 'cold' coupling target alignment, based on display mode selected in COUPLING TYPE above.
THERMAL GROWTH	Enter the expected horizontal and vertical movement for the feet.
TOLERANCES	TABLE tolerances based on RPM. Press EDIT and enter RPM. The Smiley face will then appear in the results screen. Select TABLE TYPE: 'excellent', 'acceptable' or 'user-defined'. 50Hz/60Hz shows different sets of RPM increments.
STATIC FEET	Set feet which cannot be moved. If left machine is 'Stationary' (in MACHINE SETUP above) then entire right machine must be moveable.
CONFIGURATION	Unit, Language, Contrast, Date, Run/Sleep time
USER SETUP	Enter user name, company etc.
FILE	Save, Open files etc.
REPORT	Print selected file.
PC-COMM	Communicate with PC using 'ROTALIGN COMMANDER'.
PRINTER CONFIG.	Select your printer from a list.
RS232 CONFIG.	Configure the serial (COM) port.
CHANGE APPLIC.	Change to Vertical or Horizontal machine, or QUICK CHECK.



Vertical machines

1. Mount ROTALIGN



2. Mark out four 90° positions (1,3,5,7) as shown (or if shaft rotation is limited, eight 45° pos'ns, 1,2,3,4...8).
3. Enter dimensions:
 - CIRCLE/SQUARE** (select bolt pattern)
 - NUMBER BOLTS** (square must be 4,8,12..)
 - OPTION** allows non-symmetrical flange (**NORMAL ORDER** clears and resumes symmetrical)
 - **Bolt Distance** (diagonal diameter of bolts)
 - **Flange Diameter** (diagonal diameter of flange)
 - **Coupling center to receiver**
4.  Turn shaft to position 1, align laser and press '1'. Turn to each position and press corresponding key. At least 3 positions are required.
5.  Table shows either all shim corrections added (+), removed (-) or for minimum movement (+/-). Select with '+/-' key.
6. **MOVE** Turn to position '1' and press **START**. Shim as per table. Press **STOP**
7. Re-measure, view results and move horizontally if vertical is in tolerance.

ROTALIGN®

Short Instructions

