

MENU

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 display mode for coupling misalignment values.
MEASURE MODE	Select 'Continuous sweep' (the default), 'Measure at 0, 3, 6, 9,' 'Multipoint' or 'Pass mode' (for uncoupled shafts).
SOFTFOOT	Select foot softkey & loosen bolt. Value appears—press STOP and retighten. Results must be carefully analyzed to determine the correct shimming—see manual.
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.
USER SETUP	Enter user name, company etc.
FILE	Save, Open files, etc.
REPORT	Print selected file.
PC-COMM	Communicate with PC using 'ROTALIGN Commander' software.
PRINTER CONFIG.	Select your printer from a list.
RS232 CONFIG.	Configure the serial (COM) port.
CHANGE APPLIC.	Change to Vertical or Horizontal machine, or <i>Quick Check</i> .

To select inch/mm:

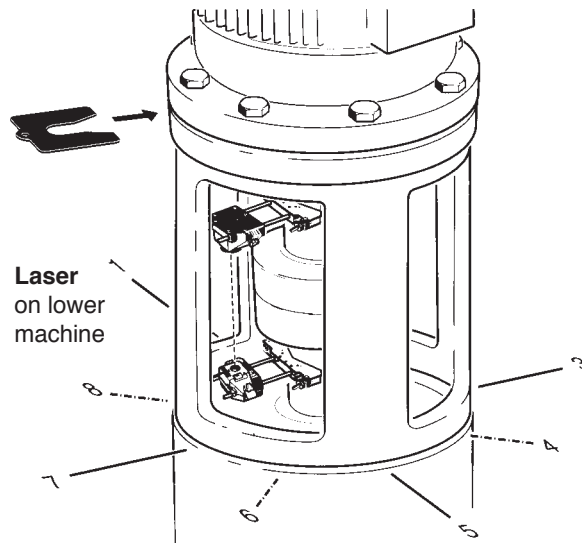


Reset:
In case of 'lock-up' press all at once.



Vertical Machines

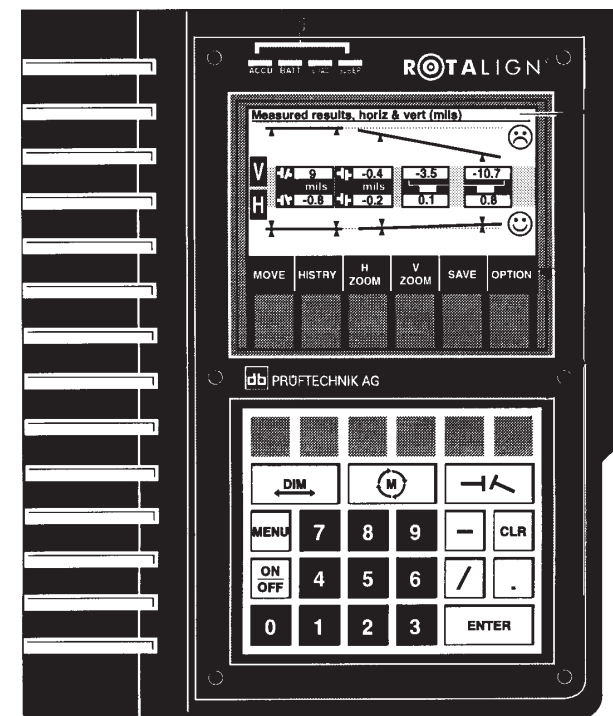
1. Mount ROTALIGN

Laser
on lower
machine

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



Norm & Bev Voelzow

Voelzow & Company, Inc.

4804 Lawyers Rd E • Wingate, NC 28174

704-233-9222 • Fax 704-233-9211

E-mail: nvoelzow@perigee.netWeb: www.LaserAlignment.net

— US Distributor —

LUDECA, Inc.

1425 N.W. 88th Avenue, Miami, FL 33172

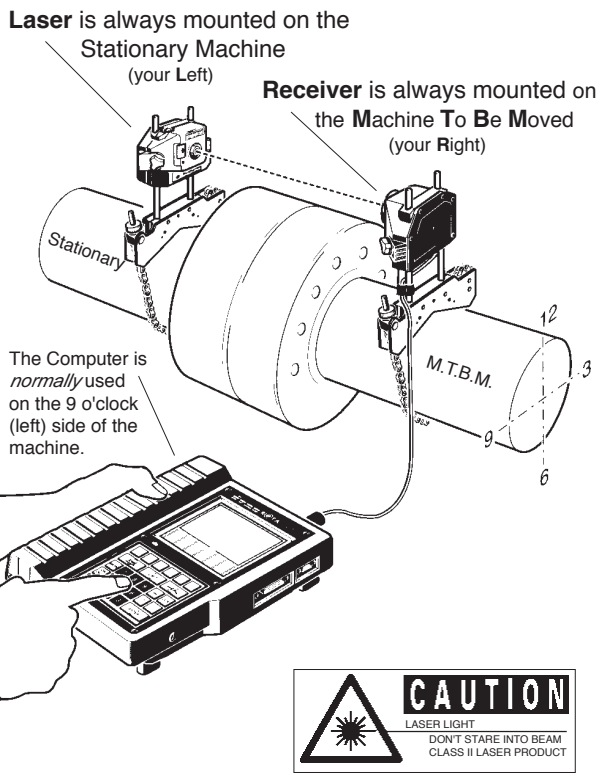
Phone: 305-591-8935 • Fax: 305-591-1537

Web: <http://www.ludeca.com/>E-Mail: webmail@ludeca.com

1. Mount ROTALIGN® & press

To adjust the display contrast in the Start-up Screen, press **0** to lighten and **1** to darken.

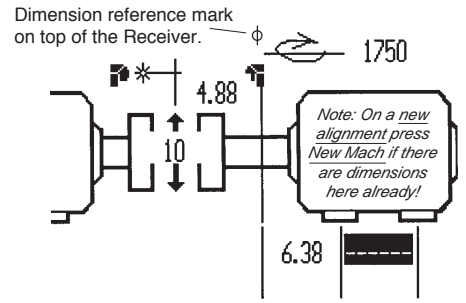
To return to the Start-up Screen at any time, press  








Note:
If application is for a horizontal machine and you are on a horizontal machine as shown, proceed to Step #2.

If you need to change the application, select  or 




2. press Dimensions



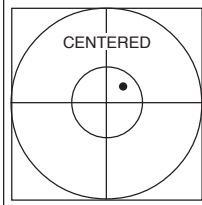
1. Coupling diameter — Use 10" 
2. Coupling center to receiver  
3. Receiver ϕ to front foot 
4. Front foot to back foot 

Note: If you use the Beam Deflector don't forget to deduct 2"!

5. To use the tolerance feature, enter the RPM in the following manner. Press Menu, select Tolerances, select Table, enter RPM.

Dimensions can be entered as decimals or fractions.
For example press 9.75 
or press 9  3 / 4 



3. press Measure — Recheck




Adjust thumbwheels on laser to center of travel. Then switch on and adjust beam onto center of receiver dustcap by sliding laser up or down on risers. Loosen bracket to adjust for side-to-side. (Avoid using the fine adjustment thumbwheels just yet.) Remove cap and center dot on target. **Check the XY VIEW.**

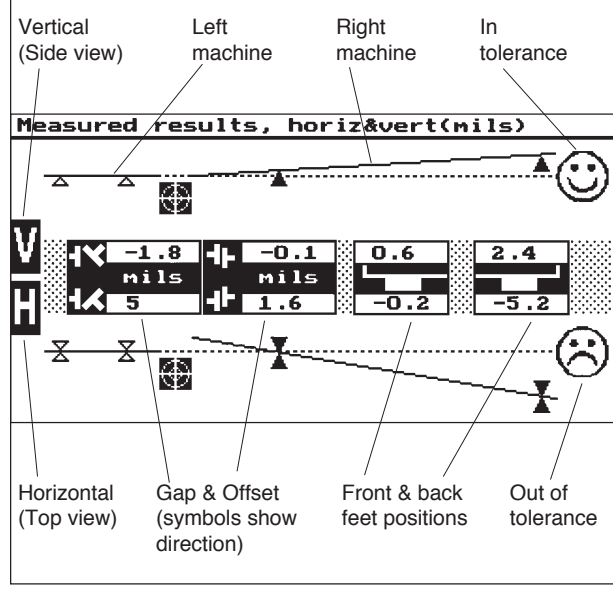
For Fine Adjustment: Up/down (Y-axis)—use top thumbwheel. Side-to-side (X-axis)—use side thumbwheel.

	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°). 








This is a good time to check soft foot. Of course, soft foot can be checked any time. Press 



4. press Results (Coupling)



5. press Move Note: The optimum position to set the Laser & Receiver in the Move mode is 3 or 9 o'clock!

For Vertical or Horizontal Adjustment:

- Press  then verify slow blinking green LED on Receiver. *If not in range, press  and adjust laser into inner circles. Then press .
- If in range, press  and select  or .
- Loosen bolts and shim or move machine.
- Re-tighten bolts and press .

Note, you can view the vertical and horizontal change simultaneously in the Move mode by pressing . For very large horizontal corrections adjust horizontally before shimming.  *Version 2.0x firmware will Auto Start the Move if Centered & within ± 15° of 12:00, 3:00, 6:00 or 9:00 position.

6. Recheck, go to step 3, press

Tip! Use these at any time    