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 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.
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 **MENU CLR**

   **Laser** is always mounted on the Stationary Machine

   **Receiver** is always mounted on the Machine To Be Moved

   The Computer is normally used on the 9 o'clock (left) side of the machine.

   **CAUTION**

   DON'T STARE INTO BEAM

   CLASS II LASER PRODUCT

   **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**

   **Dimension reference mark on top of the Receiver.**

   \(4.88\)

   \(10\)

   \(1.75\)

   \(6.38\)

   **Note:** On a new alignment press **New Mach** if there are dimensions here already!

   1. **Coupling diameter** — Use 10".
   2. **Coupling center to receiver**
   3. **Receiver \(\frac{1}{4}\) 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

   **Note:** On a new alignment press **New Mach** if there are dimensions here already!

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.

4. **press**

   **Results (Coupling)**

   **Vertical (Side view)**

   **Left machine**

   **Right machine**

   **In tolerance**

   **Measured results, horizontal (mils)**

   **Horizontal (Top view)**

   **Gap & Offset**

   **symbols show direction**

   **Front & back feet positions**

   **Out of tolerance**

5. **press**

   **Move**

   **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:
   a) Press **Move** then verify slow blinking green LED on Receiver. *If not in range, press **XY VIEW** and adjust laser into inner circles. Then press *.

   If in range, press **START** and select **V ZOOM** or **H ZOOM**.

   b) Loosen bolts and shim or move machine.

   c) Re-tighten bolts and press **STOP**.

   **Tip:** You can view the vertical and horizontal change simultaneously in the Move mode by pressing **BOTH**.

   For very large horizontal corrections adjust horizontally before shimming.

   **Note:** 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**

   **DIM**

   **MENU**