

Thank you for purchasing a OES' Linear System LA-2 Series Positioning Table.

Before removing the LA-2 Series from its packaging, please read the following suggestions on how to inspect and set up for operation.

- Inspect the package and contents for shipping damage. Contact your carrier for corrections if required.
- LA-2 Series inspection:
  - a. Remove any lint or foreign mater from the bearing shaft and leadscrew
  - b. In order to perform the inspection process, the LA-2 Series must be bolted using all of it's mounting holes to a flat surface equal to or better than the flatness specification contained in the specifications sheet. Deduct product mounting surface flatness deviation from the readings obtained from the system for a true evaluation of the system
  - c. Move the leadscrew and check for binding, warpage, or bearing ball skidding
  - d. Use an indicator mounted to the carriage and traverse the travel length of the system (see catalog flatness and specification sheet included) .

Caution:

Do not adjust the bearing block screws or bearing block end screws as they are properly adjusted at the factory and bonded in place

The LA-2 Series was inspected and run at the factory before shipment

Operation:

Mount the LA-2 Series to a flat surface as previously described using shims under mounting bolts if required. Use all mounting holes (1/4-20 bolts at 85 in-lbs. torque).

Note: The LA-2 Series is not designed for bridging. It should be supported along its entire length. Using the leadscrew, move the carriage to the center of the system (caution; do not allow the carriage to ram the end stops when powered by the motor. The leadscrew could be bent or the bearings brinelled).

Do not exceed 25 lbs. of axial force on the anti-backlash nut from accelerating / decelerating motor ramping.

Note: You will pass through critical speeds of the leadscrew as you ramp up/down through motor speed. Some noise may be apparent at that instance.

#### LINEAR PRODUCT UNPACKING/HANDLING NOTES:

- This product is a precision instrument and must be handled with care. Shocks or jolts may result in damage to the bearings, shaft or lead screw and nut.
- Use care in removing the cushioning material. A knife will scratch the black anodized finish.
- Do not lift the base plate to avoid damaging the lead screw or shafts.
- It is recommended that units mounted on a board be left on the board until application.
- Do not lift systems with spliced base plates by the ends. Lift at the midpoint of each base plate section.