



LAMINATION TOOLING

Serving the P.C. Industry Since 1977

TADCO PRECISION LAMINATION PIN AND BUSHING GAGING KIT

Introduction

This gaging kit was designed and manufactured by TADCO for ease of use by the customer. These gages will allow the user to quickly and accurately determine the condition of the lamination pins and bushings. Defective or damaged lamination pins and bushings can cause a variety of problems throughout the whole lamination process.

Lamination pins may become worn, bent, or mushroomed after use. Lamination bushings are also affected by use, the hole could be crushed, enlarged, or damaged by depinning. It is very difficult to detect damaged or defective lamination pins or lamination bushings without some kind of measuring equipment. Standard measuring equipment can be difficult to use and time consuming. TADCO's lamination pin and lamination bushing gages are designed for accurate and simple testing. Very little training is required for consistent results.

Contents and Maintenance

The TADCO Lamination Pin and Bushing Kit consists of the following:

- One slotted bushing gage
- One round bushing gage
- One slotted and round pin gage
- One carrying case

All precision measuring tools must be used carefully and correctly in order to assure that they produce consistent accurate results time after time. The maintenance of these tools is simple. The gages should be stored in their carrying case and kept dry. Periodically, the gages should be coated with a corrosion-resistant material to keep them from rusting. These gages are precision tools that may become worn or damaged during use. TADCO recommends the customer return the gages to TADCO for inspection and calibration annually or more often, depending up on the amount of use.

Directions for Use

The TADCO Lamination Pin and Lamination Bushing gages use the "Go / No-Go" concept.

Inspection of Slotted or Round Lamination Pins

The lamination Pin Gage has two sets of "Go / No-Go" gages on it. The slotted holes are for standard slotted pins and the round holes are for .250" round pins. (See the pictures on the following pages.)

- Step 1: Clean the pin to be inspected thoroughly. Make sure there is no resin or other material on the pin.
- Step 2: Insert lamination pins in the correct "Go" hole or slot. Good pins should slide through feely. **DO NOT FORCE PINS THROUGH THE HOLE OR SLOT. THIS CAN DAMAGE THE GAGE.** If the pin goes through easily, it is not mushroomed, bent, or in-general, too big. A pin that does not go through this hole or slot should be discarded.
- Step 3: Attempt to insert the pin the "No-Go" hole or slot. The pin should not go through this hole or slot. **DO NOT FORCE THE PIN THROUGH THIS HOLE OR SLOT. THIS CAN DAMAGE THE GAGE.** If the pin goes through this hole or slot, it is too small and should be discarded.