

NEW VISTA THREAD-VERIFICATION STATIONS (TYPE IND) — Rotary Index Type Thread-Verification Machines —



High-output IND thread-verification system:

- For tire valve componentry.
- For internal threads.



Automated IND-MN-2
...for brake system components.

- External thread application.
- Supplied with vibratory feeding system.
- Equipped with New Vista Safety Indexer and quick-change index wheels.
- Good parts and reject parts go down separate tubes.



IND-MX for automotive oil filters.

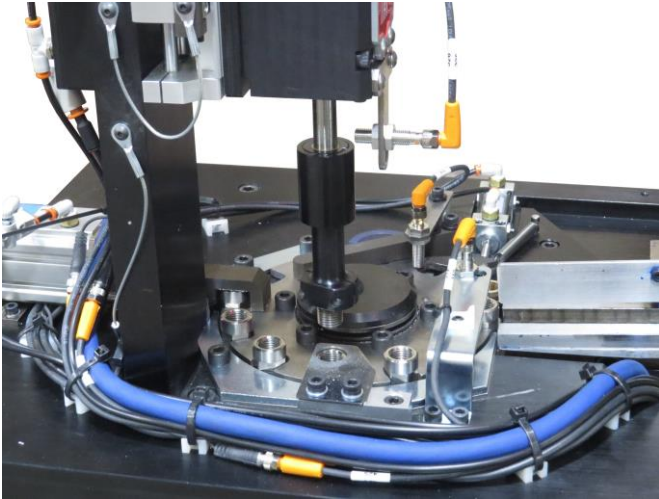
- Quick changeover thread-verification system for inline process.
- Thread sizes range from M18 to M22; and 3/4" to 7/8".
- 1200 per hour rate.

TYPE IND FEATURES:

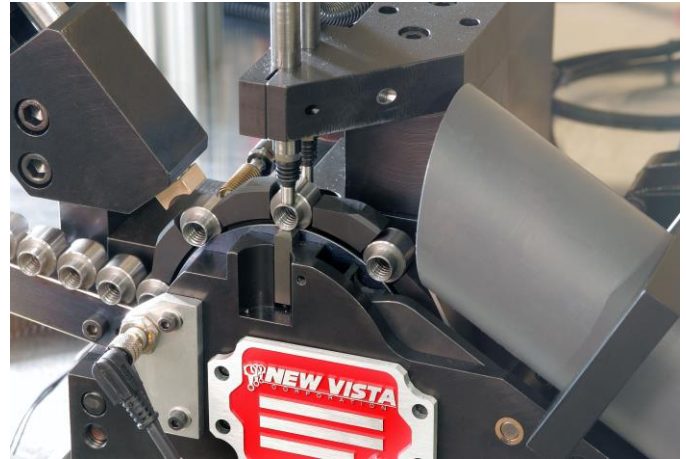
- ◆ Automatically inspects threaded features in parts.
- ◆ Indexing wheel transfers part from load-in to various inspection positions.
- ◆ Will not jam or stick in out-of-position or in undersize (reject) threads. Rejects are automatically separated out.
- ◆ Good parts and rejects are chuted away separately.
- ◆ Throughputs to 14,400 parts per hour (four parts up).
- ◆ Checks threaded holes (or external threads) by powering a Thread Gage Member into (or onto) the part. "GO" gaging, "NO GO" gaging, and combination gaging are all possible.
- ◆ Sensitive high speed drive causes the spindles to stop in case of missing, short or improperly formed threads. This creates a "reject" signal.
- ◆ Will check blind holes accurately for thread depth.
- ◆ Does not subject the part (or the spindle) to high force or torque levels...even with a reject.
- ◆ Multispindle Stations are available for multiple parts or multiple centers work.
- ◆ Automatic gaging of non-threaded features are often accomplished.
- ◆ Supplied tooled and proven out for your application.

HOW NEW VISTA INDs ARE TOOLED:

- ◆ Thread inspection at the various index positions is accomplished through the use of standard New Vista Thread-Verification Units (TVUs), or standard New Vista FLX Thread-Verification Spindles arranged in clusters.



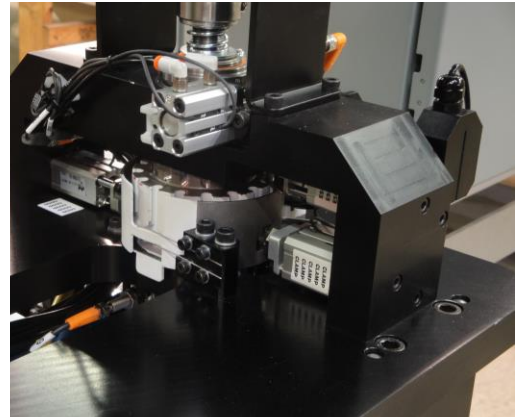
Fast-changeover thread verification for various parts.
The quick-change index wheel (dial plate) is at the center of the photo.
The Thread-Verification Unit feeds down from above.
This IND handles several different part numbers in the M8 – M14 size range.



Gear Blanks, for power seat mechanisms.
This New Vista IND verifies the multi-start thread and precisely measures the two trunnion-end diameters.



IND-STH verifying M14 internal threads in automotive sensor bosses.



IND-STH for circuit board spacers:

- Supplied by in-process feed tube.
- M3 thread...2-second cycle.
- Good parts tube discharges parts in the correct orientation for the next process step.

APPLICATIONS ASSISTANCE:

- ◆ An Application Form is available from the New Vista website: <https://www.newvistacorp.com/contact/>. Fill in the blanks and send it to main@newvistacorp.com. Or you can get help by calling this U.S. telephone number: 410-342-3820, then 0, and then ask for Applications Assistance. We speak English and Spanish. A New Vista Applications Engineer will help you select the proper Thread Unit and Thread Gage or Chasing Members — and work with you if you need a special, or a system.