

AVIT-rh™ Product Info

FIBERQA

AVIT-rh Probe Fiber Scope Inspect installed circular connectors

Automatically inspect circular plugs + receptacles at the press of a button! AVIT-rh provides **mission-critical** quality assurance in a compact, probe-style system.

The AVIT-rh (or Remote Head AVIT) is a **fully automated** system with **integrated cleaning**, which removes human subjectivity from the entire inspect-clean cycle. The AVIT-rh **eliminates issues** caused by traditional probe-style fiber scopes, such as: poor stability, poor focus, and part damage.

AVIT-rh **operates passively** at lightning fast speeds without any interaction, freeing operators to complete other tasks, drastically cutting down on labor costs and increasing productivity.

AVIT-rh will PASS or FAIL a part using strict, **enforceable criteria** with throughput higher than alternative inspect and clean processes. If a ferrule fails, the AVIT-rh will **automatically clean** and re-inspect without removing the part(s), eliminating the risk of damage to the optics through multiple re-insertions. Users can set the number of inspect-clean cycles before the part is considered a failure, or turn off the cleaning feature all together.

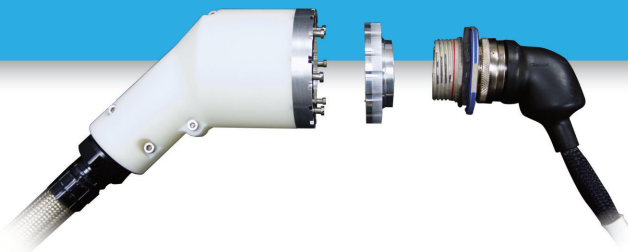
AVIT-rh attaches to circular receptacles + plugs (i.e. MIL-38999). AVIT-rh uses **long working-distance** optics and motion control to position over each ferrule in any size shell. The superior optics of the AVIT-rh enables inspection well beyond the minimum required contact zone to detect debris over most of the 29504 termini end face.

AVIT-rh is **compact** enough to interface with circular receptacles and corresponding plugs in space constrained locations.

The motion control moves the optics and cleaner to each ferrule in **any configuration** of the circular connector, without the need for unique adapters.

The data and corresponding images are archived to maintain accurate records. Test results for each part can be printed in a customizable report for **Quality Assurance**.

All AVIT™ models are protected under US Patent. Other models include a large-scale AVIT-2020 with a 20"x20" inspection window, a high throughput desktop AVIT-dt, an AVIT-ch that attaches directly onto the chassis, and an AVIT-bp probe-style system.



Key Features

- ✓ Fully Automated
 - Auto focus
 - Auto align—no scrolling!
 - Auto clean
- ✓ Compact design
- ✓ Stable operation
- ✓ Pre-loaded with IEC specs
- ✓ Customizable test criteria
- ✓ Archived Data + Images
- ✓ Customizable reporting

Key Benefits

- ✓ High throughput
- ✓ Reduce labor costs
- ✓ Eliminate supply chain friction
- ✓ Objective pass/fail criteria
- ✓ Repeatable, reproducible, reliable test results

Applications

- ✓ Mil-Aero Quality Control
- ✓ Supply chain QA

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