

LUER & CONNECTOR TESTING EQUIPMENT



Luer & Connector Testing Equipment | ISO 80369-7, ISO 80369-20 & ISO 5356-1

Luer connector testing equipment verifies the leakage resistance, separation force, and torque performance of small-bore medical connectors before they reach the field. Manufacturers of syringes, infusion sets, catheters, and anesthesia breathing systems use it to confirm compliance with ISO 80369-7, ISO 80369-20, and ISO 5356-1. Torontech's range covers both general Luer fitting connectors and the conical connectors built specifically for anesthetic and respiratory equipment, so a single supplier can cover the full scope of your connector portfolio.

Why Choose Torontech for Your Luer & Connector Testing Equipment

Torontech supplies testing and measurement equipment to laboratories and manufacturers across North America and worldwide, backed by responsive technical support and calibration service. The Luer & Connector Testing Equipment range is built for reliable, standards-driven results, so you can standardize on one supplier as your testing needs grow. Our team helps you match the right configuration to your samples, applicable standards, and throughput, then supports you through installation and beyond.

Request a Quote

Tell us which connector types and standards you test against, and we will recommend the right configuration for your lab. [Contact the Torontech team](#) for pricing and lead times.

APPLICATIONS

Applications

Luer and conical connector testing supports quality control across medical device manufacturing and third-party compliance verification.

- Syringe and Needle Manufacturing: confirms Luer fittings on hypodermic syringes and injection needles meet leakage and separation force limits before release.
- Infusion and Blood Transfusion Sets: checks that locking and non-locking connectors hold pressure and resist accidental separation during fluid delivery.
- Anesthesia and Respiratory Device Manufacturing: verifies conical connectors on breathing circuits, anesthesia gas scavenging systems, and vaporizers against ISO 5356-1.
- Catheter and Intravascular Device Testing: evaluates connector integrity on catheters and other intravascular accessories that use Luer interfaces.
- Contract and Third-Party Testing Laboratories: gives a standardized platform for connector compliance testing across multiple client device types.

TECHNICAL SPECIFICATIONS

Luer & Connector Tester Range

The range covers two connector testing platforms, each built for a distinct class of small-bore medical connector.

Multifunctional Luer Conical Fittings Tester - ToronMed™ MLCFT01

Tests both locking and non-locking Luer connectors used in infusion sets, injection needles, syringes, blood transfusion sets, and intravascular and non-intravascular catheters. It measures liquid and air leakage, separation force, unscrewing torque, and ease of assembly against ISO 80369-7 and ISO 80369-20, with a 7-inch touchscreen and GMP-compliant data records suited to medical device manufacturers and quality control labs.

Anesthetic & Respiratory Equipment Conical Connector Tester - ToronMed™ ARECCT02

Evaluates the sealing integrity and mechanical performance of conical connectors used in anesthesia and respiratory devices, including breathing systems and gas scavenging equipment. It applies axial force, torque, and positive and negative pressure to check leakage, separation force, and resistance to overriding against ISO 5356-1, with the same touchscreen interface and audit-tracked data management as the MLCFT01.

How to Choose the Right Luer & Connector Tester

- For syringes, needles, and infusion accessories: choose the Multifunctional Luer Conical Fittings Tester to cover the full ISO 80369-7 and ISO 80369-20 test scope.
- For anesthesia and respiratory breathing systems: choose the Anesthetic & Respiratory Equipment Conical Connector Tester built to ISO 5356-1.
- For labs testing both connector families: pair both platforms, since they share a common touchscreen interface and GMP-compliant software for consistent recordkeeping.
- For high test volumes: prioritize the automatic calibration and power-off memory on both models to reduce operator downtime between runs.



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