

LEXSECO Core Loss Testers

DETERMINING CORE QUALITY AHEAD OF THE CURVE

The LEXSECO Core Loss Tester product line is a fully automated high current, low voltage test center designed specifically for testing stators, rotors, and armatures up to 10,000HP. Our testers simulate real-world motor operating conditions and compares core loss calculations with our industry leading MP 7 software database. This database was developed from assessing motors actually in the marketplace, meaning the LEXSECO core loss tester provides pass and fail criteria using actual industry motor characteristics. This verification process assures greater reliability, efficiency, reduces warranty costs, and improves customer satisfaction.



Core Assessment Simplified



INTUITIVE, EASY-TO-USE SOFTWARE

Simplify core loss and hot spot testing with an icon-driven interface. With clear instructions and graphics to ensure proper data entry, reliability and efficiency have never been more attainable.



THE PINNACLE OF ACCURACY

With flux measurement accuracy of $\pm 0.1\%$, the LEXSECO core loss tester provides the most accurate back iron flux density in the industry. This ensure core loss assessment per IEEE and EASA standards.



SAFETY FIRST

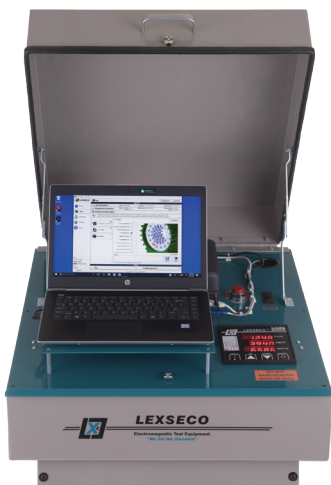
LEXSECO's design uses a Variable Reactance Transformer (VRT) rather than a standard transformer. This ensures current limiting and thermal overload protection for operator safety during testing.



THE INDUSTRY STANDARD

The MP 7 software uses a pass/fail criteria derived from its internal database. This database is comprised of motors in the marketplace so LEXSECO core loss tests are accessed from data actually in the industry.

Standard Features



- MP 7 Software
- Zero downtime meter exchange program
- Main cable
- Flux measurement cables
- Automated test process
- Various report types
- Rugged steel cabinet and locking lid
- Mounted on wheels with locking casters
- Thermal overload protection
- NIST certified calibration process
- Complete repair documentation center
- Optional: Armature testing kit

The LEXSECO Advantage



QUALITY REPAIRS ASSURED

Core loss testing before and after repair verifies effectiveness of repair

Pass/Fail core loss values specific to each frame type

Printable and savable reports for all test types in MP 7 software

Documentation center for: Winding Verification, Loop Test, Hot Spot Test, Integrity Test, among others

Product Specifications

MODEL	1081	2025	2040	2060
MAXIMUM TEST CAPACITY	500HP / 10KVA	1250HP / 25KVA	1750HP / 40KVA	2500HP / 60KVA
INPUT POWER	208 - 240VAC / 60A	230VAC / 120A	460VAC / 60 A	460VAC / 150A
DIMENSIONS	24in x 39in x 48in	24in x 39in x 48in	24in x 39in x 48in	24in x 39in x 48in
WEIGHT	715lb / 325kg	845lb / 385kg	1295lb / 589kg	1295lb / 589kg

MODEL	2125	2200	3000
MAXIMUM TEST CAPACITY	5000HP / 125KVA	7500HP / 200KVA	10,000HP / 300KVA
INPUT POWER	460VAC / 300A	460VAC / 550A	460VAC / 700A
DIMENSIONS	29in x 54in x 63in	29in x 54in x 63in	29in x 54in x 63in
WEIGHT	2225lb / 1011kg	2750lb / 1250kg	3955lb / 1798kg

*Note: Additional voltages available as standard options



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About IRD

For 75+ years IRD®, or Industrial Research & Development, LLC has specialized in highly technical machinery that assists in the repair of industrial equipment. Its two brands, IRD Balancing® and LEXSECO® introduced the first soft-bearing balancing and commercial core loss tester products to the marketplace. Both product lines have advanced with the purpose of providing top-of-the-line machinery across the globe. IRD® believes that excellence in workmanship and a high level of productivity are the key components to building long-term relationships with our customers.

