

CommScope global test facilities: where excellence is tested and proven

We strive for excellence in every area of our operations. One critical aspect of ensuring excellence in everything we do is rigorous testing. We've invested in state-of-the-art global test facilities strategically positioned in key locations. Our test facilities provide the backbone of our quality assurance process, enabling us to deliver products that meet and exceed our customers' expectations.

COMMSCOPE GLOBAL TEST FACILITIES: GENERAL OVERVIEW

Comprehensive testing:

- From initial performance evaluation to lifetime simulated behavior, our facilities provide testing across a comprehensive range of industry-specific tests
- We ensure every product is thoroughly vetted

Adherence to international standards:

- We adhere to stringent international standards, ensuring the accuracy and reliability of our testing procedures
- We are certified to meet ISO and other relevant industry standards, assuring the highest caliber testing

Flexibility and scalability:

- Our test facilities are designed to offer flexibility and scalability, accommodating needs from single prototype testing through to large-scale production runs
- We tailor solutions for dynamic product development demands

COMMSCOPE GLOBAL TEST FACILITIES: SPECIFIC TESTING CAPABILITIES

Our material test lab:

- Material identification and analysis using state-of-the-art equipment, including FTIR, TGA, DSC, MVR, and viscometers, plus historic materials databases
- Physical and mechanical testing using dogbones/samples
- Scanning electron microscopy (SEM) and X-ray fluorescence (XRF) testing
- Environmental testing and aging stability covering fungus, UV, hydrolysis, chemical resistance, stress cracking, heat aging, and oil compatibility of cable jackets
- Extensive gel/rubber testing capabilities covering composition, curing level, hardness, compression set, creep, and relaxation
- Metal testing, sample preparation, and processing
- Guidance by expert materials engineers for all troubleshooting or quality issues
- More than 35 years of experience in materials testing and qualification

Our mechanical and quality test lab:

- Fully equipped for mechanical and environmental testing of products to international standards
- Over 35 years' experience in product testing
- Testing capabilities covering IEC, ETSI, and GR specifications

Our metrology test lab:

- Tolerance analysis and failure analysis
- Surface roughness measurements: We offer detailed surface texture analysis to help you access and control surface finish quality, essential for performance and compliance in manufacturing
- 2D and 3D dimensional measurements: From flat components to complex geometries, our lab is equipped to handle both 2D and 3D measurement with micro-level accuracy
- CT scanning (computed tomography): CT scanning capabilities allow for non-destructive internal inspection, ideal for complex assemblies, hidden defects, and molding defects
- Surface comparison: Using high-resolution 3D scanning and CT imaging, we perform detailed surface comparisons between CAD models and manufactured parts to detect deviations, wear or manufacturing inconsistencies by creating clear visualizations
- Other activities include process capability analysis, tolerance studies, statistical analysis and more

COMMSCOPE GLOBAL TEST FACILITIES: SPECIFIC TESTING CAPABILITIES (CONTINUED)

Our optical test lab:

- Over 30 years' experience in testing passive optical components and products
- Fully equipped to perform required IEC tests for components and products
- Capabilities to carry out test programs based on GR specifications, equipment, and procedures
- Long track record performing in-house qualifications for many customers worldwide
- Tests products during development, release, customer qualification, and periodic product re-qualification
- Customer audit capabilities

Our copper test lab:

- Building experience in testing copper connect portfolio, including LSA-PLUS modules, magazines, test plugs, copper samples, and more
- Able to test products during development, release, customer qualification, and periodic product re-qualification
- Customer audit capabilities
- Test reports database

WHAT SETS COMMSCOPE TEST FACILITIES APART



Global accessibility:

- Our facilities are strategically located in key geographic locations across North America, Europe, and Asia-Pacific to ensure you have easy access to our testing capabilities
- We bring excellence closer to our customers, wherever they are



Collaborative partnerships:

- We work with industry organizations, academic institutions, and regulatory bodies to stay at the forefront of testing methodologies and standards
- This enables continuous improvement and refinement of our testing processes through collaboration



Commitment to sustainability:

- CommScope test facilities operate with environmental responsibility in mind, incorporating energy-efficient practices and minimizing waste
- We prioritize sustainability to contribute to the long-term well-being of our planet and your ESG targets

INNOVATION AND EXCELLENCE IN EVERY TEST

Our global test facilities are designed around comprehensive testing requirements, from performance evaluations to environmental simulations. Equipped with cutting-edge technology and staffed by skilled professionals, our facilities are at the forefront of innovation and efficiency.

CommScope is unique in having all these testing capabilities in-house. Our global test facilities are a cornerstone of our commitment to quality and customer satisfaction. At CommScope, excellence isn't just a goal—it's a promise we uphold in every test.

CommScope: testing today for a trusted tomorrow

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