

SOFTWARE TILE! 8 (TOTALLY INTEGRATED LABORATORY ENVIRONMENT)



TILE! 8 SOFTWARE

- » **Complete EMC Test Automation**
 - Automates RE, CE, RI, and CI Testing
 - Create Custom Test Sequences
- » **Comprehensive Instrument Integration**
 - Supports 1,600+ Instrument Drivers
 - Ethernet, USB, GPIB, and Serial Interfaces
 - ETS-Lindgren and Third-party Instruments
- » **Advanced Laboratory Control**
 - Native Python Scripting
 - Automated Instrument Discovery (AID)
 - Centralized laboratory management
- » **Workflow & Reporting**
 - Reusable Test Profiles
 - Comprehensive Reporting
 - Complete Audit Trails
- » **Enterprise Ready**
 - Multi-user Project Management
 - Open, Scalable Architecture
 - AI-enabled for Continuous Innovation

TILE!™ 8 (Totally Integrated Laboratory Environment) is ETS-Lindgren's next-generation laboratory automation software that integrates instrumentation, chamber equipment, workflows, and laboratory data into a single intelligent platform. Designed for laboratories of every size, TILE! 8 simplifies standards-based testing while improving efficiency, repeatability, and confidence in every measurement.

Supporting more than 1,600 instrument drivers, TILE! 8 seamlessly integrates ETS-Lindgren and third-party instrumentation through Ethernet, USB, GPIB, and serial communications. The software automates radiated emissions (RE), radiated immunity (RI), conducted emissions (CE), and conducted immunity (CI) testing while coordinating instrumentation and chamber equipment throughout the laboratory. Flexible workflows, reusable test profiles, centralized project management, comprehensive reporting, and complete audit trails help engineers reduce manual interaction, improve testing consistency, and maintain complete traceability.

Unlike traditional automation software that simply executes test sequences, TILE! 8 manages the entire EMC laboratory. From instrumentation and chamber devices to data collection, reporting, workflow management, and enterprise connectivity, TILE! 8 serves as the central operating platform for today's EMC laboratory. A modernized user interface, native Python scripting, Automated Instrument Discovery (AID), expanded database connectivity, and a scalable, AI-enabled architecture provide the flexibility laboratories need today while preparing for tomorrow's testing requirements.

Product Features

Complete Laboratory Control

Operate instrumentation, positioning systems, turntables, antenna towers, amplifiers, switches, cameras, safety systems, and peripheral devices from a single intuitive software platform. Centralized control simplifies laboratory operation while improving efficiency and reducing operator interaction.

Native Python Automation

Native Python scripting provides virtually unlimited customization for advanced automation. Automate repetitive processes, integrate external applications, develop custom workflows, and extend laboratory capabilities while maintaining standards-based testing.

Automated Instrument Discovery (AID)

Automatically identify compatible instruments connected to the network and simplify system configuration. AID reduces setup time, minimizes configuration errors, and accelerates deployment of new or expanded test systems.

Enterprise Laboratory Management

Manage projects, users, instrumentation, reports, and workflows across one or multiple laboratories using centralized project management and expanded database connectivity. Whether operating a single chamber or an enterprise-wide laboratory network, TILE! 8 scales to meet your operational requirements.

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Improve Laboratory Productivity

Reduce manual interaction, eliminate repetitive setup tasks, automate data collection and reporting, and accelerate time-to-results while improving testing consistency and maintaining complete traceability.

Data You Can Trust

Centralize laboratory data, generate comprehensive reports, maintain complete audit trails, and improve documentation to support quality management systems, accreditation requirements, and regulatory compliance.

Built for Today. Ready for Tomorrow.

Built on a scalable software architecture with open integration and AI-enabled capabilities, TILE! 8 is designed to support continuous innovation while adapting to evolving EMC standards, new instrumentation, and future laboratory requirements.

Standard Configuration

» Contact Your Local ETS-Lindgren Representative for Standard Configuration Details

Options

» For Additional Options, Contact Your Local ETS-Lindgren Representative

Technical Specifications

Parameter	Specification
Architecture	Native High Speed C++
Visualization	Interactive 3D
Data Management	Database-Native
Workflow	Automated
Integration	Flexible Hardware Interfaces
Scalability	Enterprise-Ready