

## JDSU Custom Test Systems

### Test Equipment and Automation Services for Labs and Manufacturers

#### Testing Parameters and Applications

##### – Testing parameters

- Insertion loss, backreflection, polarization dependent loss, polarization mode dispersion, chromatic dispersion, and jitter/wander

##### – Network elements and systems

- Service disruption and protection switching
- Interoperability
- Performance monitoring
- Network synchronization

##### – Modules

- Stressed receiver sensitivity
- Transmitter dispersion penalty
- Gain and noise figure
- Transient characterization

##### – Components

- Spectral analysis
- Continuity
- Isolation and crosstalk
- Reliability, repeatability, and stability



Improve time-to-market and decrease costs by allowing JDSU to build a custom test system for you. Custom test systems are a turnkey solution to address your application-specific requirements for performing physical layer tests and obtaining system validation measurements. Automated tests, custom report generation, and remote access allows you to test with less human intervention, test throughout the night and weekend, and increases the repeatability of test procedures. JDSU provides the test equipment, test expertise, hardware integration, and software integration to deliver a comprehensive solution for your testing needs.

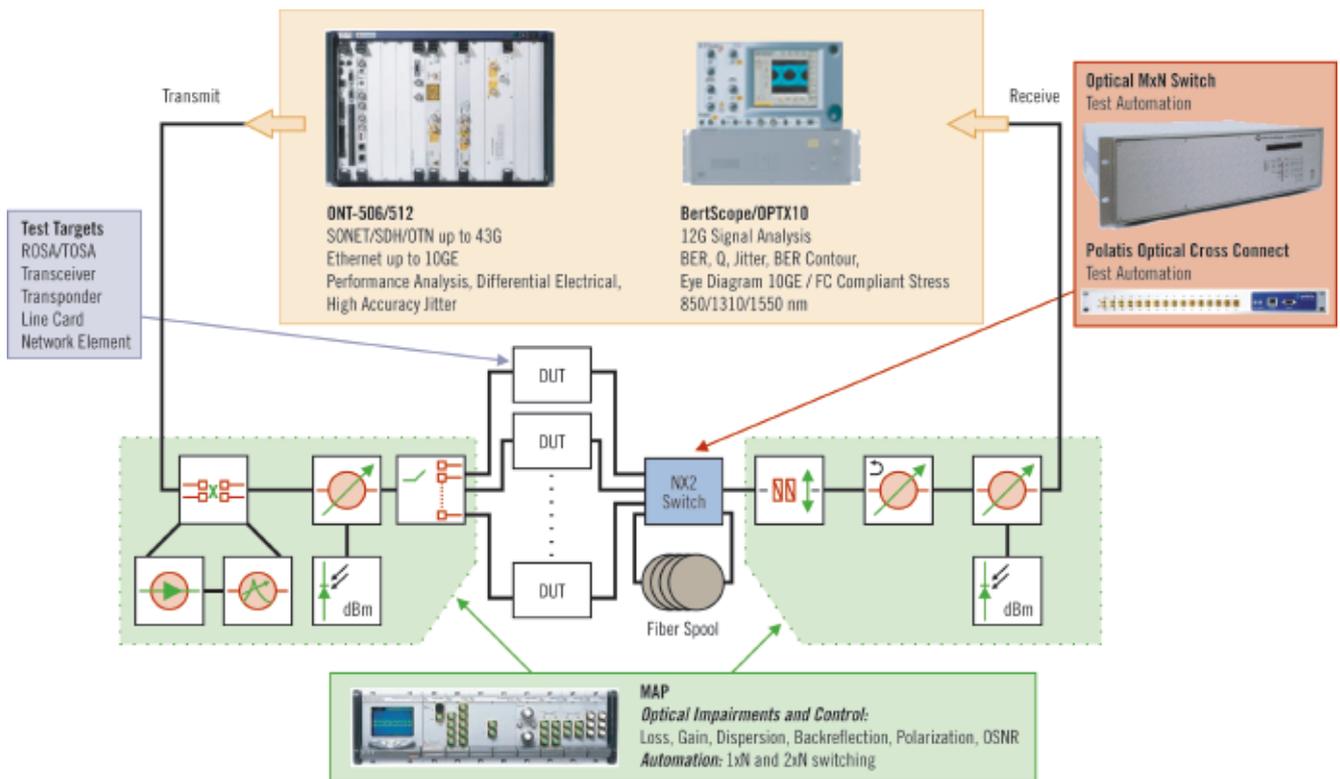
### Test Automation Services – Value Proposition

- **Quality**
  - Experienced test engineering
  - Knowledgeable software engineering
- **Schedule control**
  - On-time delivery
  - Delivery in phases
- **Cost control**
  - Flat fixed price
  - Lower cost
- **Experience with test equipment and test automation allows JDSU to provide high quality test systems delivered on-time for a low fixed price**

### What type of software integration is supported?

- **Multiple types of delivery**
  - Comprehensive test automation to accelerate testing
  - Drivers and libraries to accelerate test automation
- **JDSU (current and legacy) and non-JDSU equipment**
- **Multiple programming languages**
  - Software oriented testing languages
    - Tcl/Tk, Perl, Python
  - Hardware oriented testing tools
    - NI LabVIEW™, NI LabWindows/CVI
  - General programming languages
    - C, C++, Java
- **Multiple operating systems**
  - Linux or other UNIX based systems
  - All Microsoft Windows platforms

### What equipment can JDSU provide?



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