

Precision Optical Transceivers, Inc.

Company Overview



Agenda

- Company Profile
- Product Portfolio Overview
- Engineering Capabilities
- Quality, Inventory, Warranty



Introduction to Precision OT

Custom solutions. Reliable networks.

- A system engineering company specialized on **high quality, custom-engineered optical solutions**
- **US Based** (Rochester NY) – engineering and production
- Optics Product Portfolio includes **COTS (Commercial-Off-the-Shelf) SFP (Small Form-Factor) pluggable optical transceivers: 1G/10G/25G/40G/100G/400G, CWDM, DWDM, and GPON, Mux/DeMux Modules, Fiber Jumpers and Optical Accessories**
- **OEM compatible Optics for: CISCO, Brocade, Juniper, Infinera, Nokia (Alcatel-Lucent), Ubiquiti Networks, Ciena, CYAN, CALIX, ADTRAN, among others.**
- **CAGE Code:** 7RS04
- **NAICS:** 334220, 334200, 334210, 334417, 334419, 335921
- **PSC CODES:** 5805, 5810, 5895, 6030, 6099



Industries Served

Precision OT provides custom solutions for the most reliable networks across a variety of industries, including:

- Healthcare
- Education
- Enterprise
- Government
- and more....



Trusted supplier

- At Precision OT, we are proud to partner and work with world-leading service providers
- Precision OT has over a decade's experience world-leading companies in building/supporting networks
- MSO, Tier -1 / Tier-2 /Tier-3 Telecommunications Service Providers
- At Precision OT, we play a pivotal role with Network Operators in improving optics deployment speeds, quality, and costs.
- As a systems engineering company focused on optical transceivers and related active/passive optical components, we are a reliable partner for fiber optic network operators around the globe



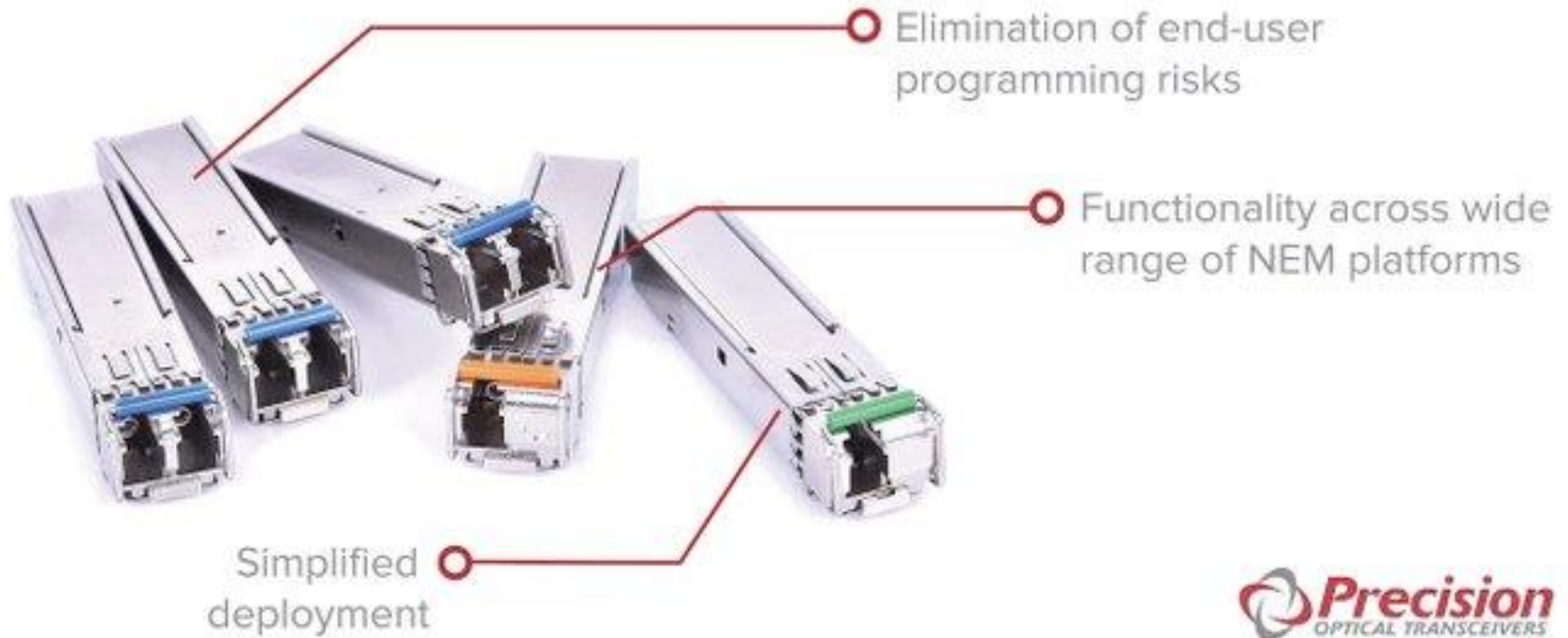
Product Portfolio

- Complete transceiver product line:
 - 100M/1G: SFP
 - 10G: SFP+, XFP
 - 40G: QSFP
 - 100G: QSFP28, CFP, CFP2, CFP4
 - 200G/400G : QSFP56-DD, OSFP
 - GPON optics
 - OEM Compatibility
- Mux/DeMux Modules
- Fiber Jumpers
- Complementary software and tools
- Lifetime warranty on all products

Tuning Modules
TN100-XS



Multi Platform Optics



100G QSFP28 Optics



○ 4x25Gb/s lasers allowing data transmission up to 100Gb/s

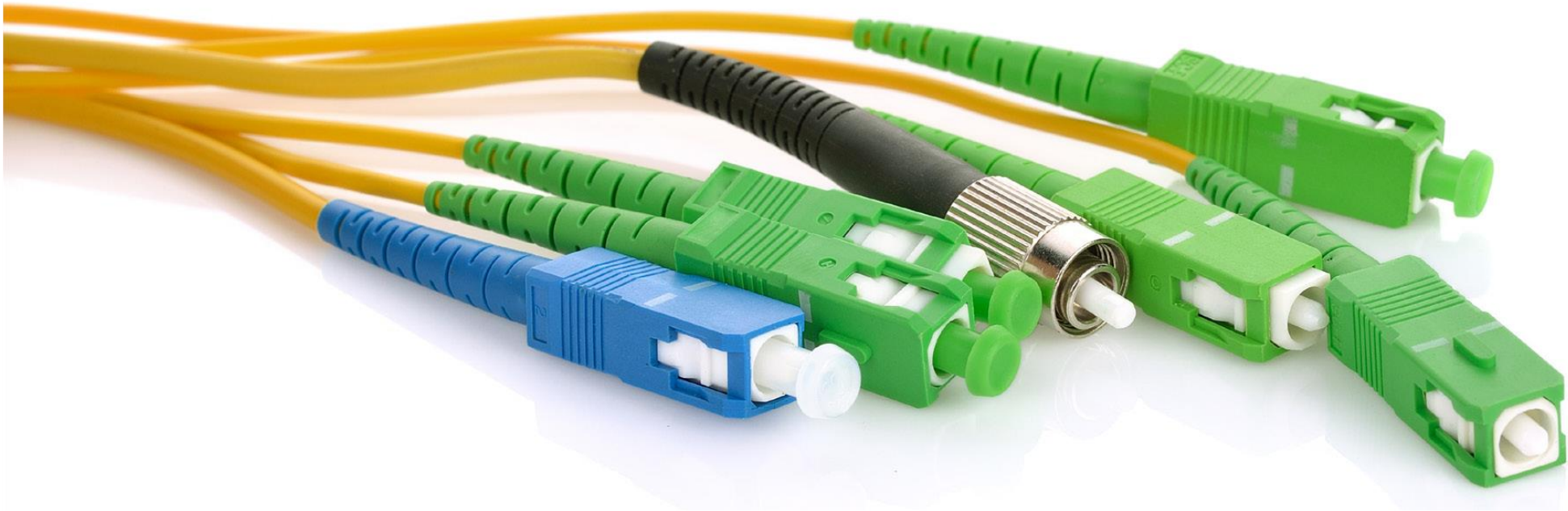
○ Functionality across wide range of NEM platforms

Increased Port Density ○



Fiber Jumpers

- Available in a wide variety of connector types, fiber types, assemblies, and length
- All assemblies meet TIA, IEC, and Telcordia standards
- 100% tested for Insertion Loss and Return Loss, with test data included
- RoHS Compliant
- 10-year warranty



Tunable Optics Management

- Precision offers two major transceiver management modules - the [TN100-XS](#) and [TN100-S-BT](#).
- Precision's transceiver management module and tuning software allows for the **configuration and rapid deployment** of Precision's tunable **DWDM SFP+, XFP, QSFP or QSFP28**
- The Tunable Modules provide a software configurable solution that reduces spare inventory and accommodates overall network flexibility.
- Precision's SFP, SFP+, XFP, QSFP or QSFP28 tuning application is completely web driven and allows for rapid feature deployment and software maintainability without the need for a physical media-based deployment.
- This means that Precision manages the application software and transceiver management module firmware for you.
- Deploying feature upgrades or custom solutions is as simple as starting the Precision tuning application.
- All users of the Precision transceiver management module and associated software will have the latest and greatest certified released software regardless of their geographic location; there is no need to manually install new versions as they become available.

TN100-XS



Mux and DeMux Product Suite

- Precision OT's industry standard WDM filters enable passive optical multiplexing and de-multiplexing across a wide variety of networking applications.
- Standard CWDM Mux/Demux modules offer up to 8 wavelengths of data on a single fiber while standard DWDM modules support higher density applications and allow up to 40 waves to coexist on a single fiber.
- Additionally, dual fiber duplex configurations are available to meet the requirements for services that require two-way traffic.
- 10-year warranty



Engineering Capabilities

- **Software**

- EEPROM customized software on all transceivers
- **Multi Platform approach - cross compatibility in one optics**
- **Juniper/Cisco/Arista/Calix, ADTRAN, Infinera, Juniper, ADVA, Brocade, Ciena, Alcatel-Lucent /Nokia, Zhone**
- Ability to code transceivers to work in platform which don't provide support i.e. tunables/80KM (ZR) optics
- Tuning box/Remote Assist
- SDN/White Box software development
- Lab automation/testing



Engineering Capabilities - Systems

- **Renowned Systems Engineering**
 - NEM platform technical experts
 - On Site systems engineering assigned to customers
 - Integration testing and direct involvement with customer engineering teams
 - System design support (DWDM, Backhaul, Interconnect etc..)
 - Support for new NEM software, hardware, and platforms
 - Remote lab support/testing capability/remote assist
 - Multi platform integration testing/compatibility



Testing

In-house test processes ensure that products function properly upon arrival to the customer

Each of our transceivers are tested in 3 to 4 areas:

- EEPROM compatibility for the intended platform
- Optical power out levels
- Link test
- For CWDM/DWDM devices, output to our OSA to confirm channel specifications



Cutting Edge Technology With a Lifetime Warranty

- With cutting-edge **programming and diagnostic technologies** in our lab, we proudly offer a **lifetime warranty** on all of our optical transceivers and guarantee 100% compatibility for all of our products.
- At Precision Optical Transceivers, we value the importance of delivering a high-quality product that performs reliably throughout your network.
- We pride ourselves on our **engineering expertise** and provide free technical consultation to all of our valued customers.





Work with Suppliers to
ensure best quality



Extensive Test Lab to
assure compatibility and
performance



Supply Chain Integration
for smooth order delivery



Quality and Value
to our Customers

 **Precision**
OPTICAL TRANSCEIVERS
ADVANTAGE



Contact Information



- **Headquarters:**
 - 100 Latona Road
Building 318-A
Rochester, New York 14652 USA
- Phone +1 (585) 500-4090
- Fax +1 (585) 486-1092
- Website: <https://www.precisionot.com/>
- General Inquiries: info@precisionot.com
- Find us on LinkedIn, Twitter, Youtube, Facebook
- POC: Director of Sales, Carlos Sanchez: carlos.sanchez@precisionot.com





THANK YOU



Disclosure

- Content is subject to change without notice or obligation
- All other trademarks and service marks are properties of their respective owners.
- Content produced by third parties is not necessarily endorsed or supported by Precision Optical Transceivers, Inc.
- ©2021 Precision Optical Transceivers, Inc. All rights Reserved.

