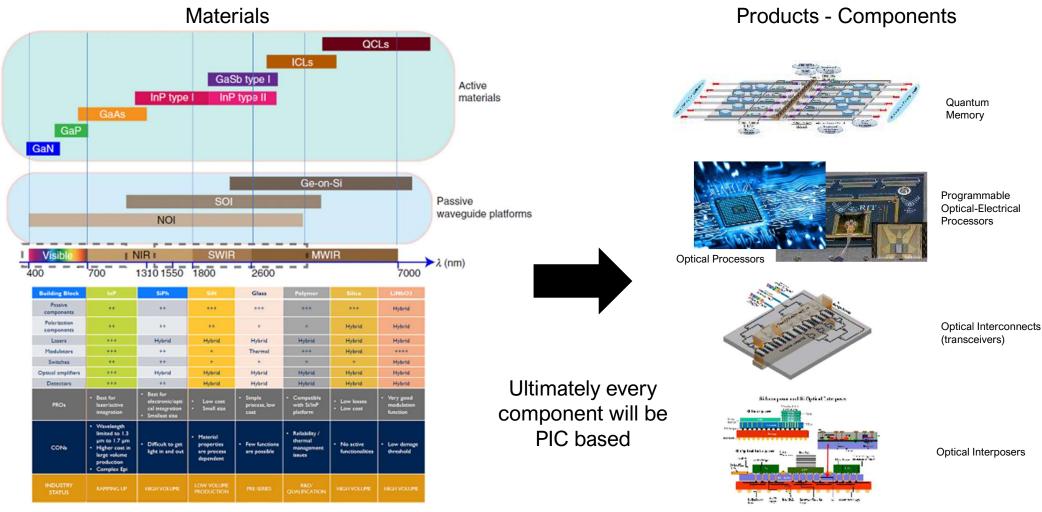


### Trend



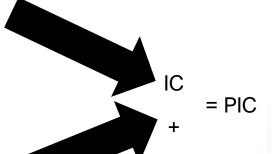
### Industries

### Semiconductor Industry



**Photonics Industry** 





### **Industry Sectors:**

Telecom Datacom Computing Sensing Medical

Semiconductor industry will be forced into photonics due to its advantages

### Optical & hybrid applications:

- **Transceivers**
- On-board optics
- Memory
- LiDAR
- Quantum
- **Imaging-Scanning**
- Single Photon
- Sensing
- Computing
- ΑI
- IoT

# EXFO (PIC) Product Portfolio

#### Instrumentation

#### Sources Media Receivers Attenuators **OPM** Fixed LD Switches OSA Fixed LED Shutters Step TLS Couplers Swept TLS Filters Backreflection Performance **Platforms** LTB **BERT OSICS** SCOPE CTP10 CD Incl. non-standards

#### **Automation**

HW Drivers Examples Custom Support Turn-key

#### Solutions

EXFO Turn-key

EXFO + Partners

EXFO + Third Party

Active Component Testing
Passive Component Testing
Transceiver Testing
System Testing
Metrology
Application Engineering

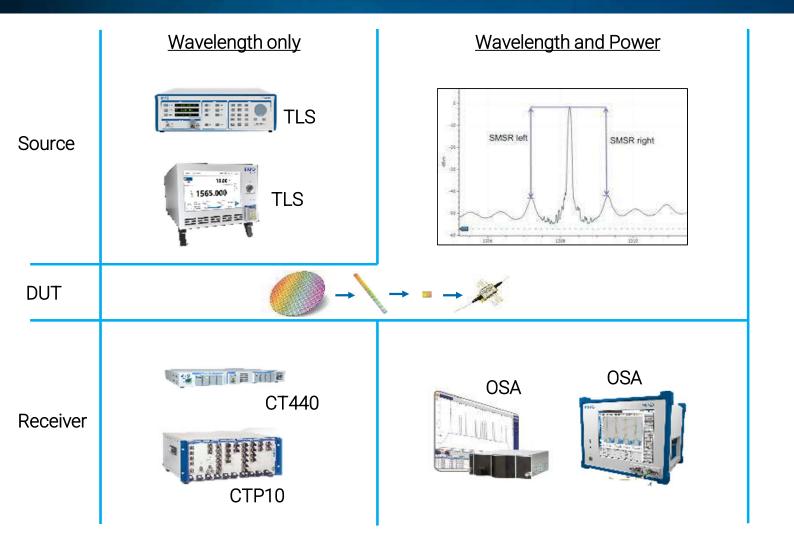
- Product formfactor agnostic
- Optical to Optical
- Optical to Electrical
- Electrical to Optical

From design to deployment

# Instrumentation: Passive (O/O) PIC testing

IL vs WL IL vs WL IL & RL & PDL vs WL IL & RL vs WL **LED** TLS Source **TLS LED TLS LED** DUT OSA OPM OSA CATTE BEING OSA OSA OPM system Receiver **OPM** system

# Instrumentation: Active (E/O) PIC testing



Third Party



**Current or Voltage** Source (SMU)



O/E Converter

# Instrumentation: Hybrid O/E and E/O PIC testing

**EXFO** 



**OPM** system



**OPM** system





Third Party



Current Meter (SMU)



**Current or Voltage** Source (SMU)



**Optical Amplifier** 



RF tester

### Instrumentation: PIC TRx Performance testing

**EXFO** T&D Eye Analyzer - Scope **BERT** 

Third Party





## Solution Example: 1xN O/O PM PIC Testing

