

COTSWORKS[®]

Rugged Optical Network Component Solutions

www.cotsworks.com

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About COTSWORKS

COTSWORKS, INC. is an innovative manufacturer of rugged optical components and subsystems for harsh environment networking and sensing applications.



Commercial OR Custom-Off-The-Shelf components are integrated across multiple engineering disciplines to WORK in the most consistent, highest quality, performance, and cost-effective process and configurations.



Optical Transceivers, Simplex and Complex Cables, and Test Equipment are designed for Commercial and Military Aerospace, Military Tactical, Industrial & Energy, Rugged Networking and Sensor markets.



AS9100, ISO 9001, and ATEX certified, founded in 2006, with 100+ employees in North America, Europe, and representatives in Asia and Middle East. Privately funded with investment from Industry leaders.

COTSWORKS®

Markets and Product Application

COMMERCIAL AEROSPACE



MILITARY
AEROSPACE



TACTICAL VEHICLES



SUB SEA



APPLICATIONS

Flight Deck Displays | In-Flight Entertainment and Cabin Crew Interfaces | Electronic Warfare | Radar Systems | Flight Recorders | Heads Up and Down Displays | Storage Devices | Cameras | Towed Array Networking

FIBER NETWORK ADVANTAGES

- Reduces data wire weight by up to 70%
- Increase network bandwidth and enables multiple protocols on one fiber
- Enables powerful edge computing network architectures
- Reduces EMI concerns in composite airframes Vs copper wire

Elemental Product Platforms

<div><div><div>4-CHANNEL PLUGGABLE: RCP™</div><div>2-CHANNEL PLUGGABLE: ESSENTIAL™</div><div>2-CHANNEL PLUGGABLE: SF P</div><div>8-CHANNEL PLUGGABLE: SPOT™/QSFP</div></div><div><div>2-CHANNEL SOLDERED: RJ</div><div>2-CHANNEL SOLDERED: SFF</div><div>1-CHANNEL SOLDERED: SFB</div><div>HYBRID ASSEMBLY</div><div>CONNECTORS</div></div><div><div>TERMINI</div><div>FIBER & JACKETING</div><div>OPTICS</div><div>TEST EQUIPMENT</div></div></div>																																							
<div>ESL</div> <div>28G-LR4</div> <div>CWDM</div>																				<div>MT-T</div> <div>MT TAB</div> <div>SM & MM</div>		<div>CB</div> <div>C-BEAM</div> <div>MM</div>		<div>HD</div> <div>HIGH DENSITY CABLING</div> <div>SM & MM</div>		<div>SHP</div> <div>SHIPBOARD</div> <div>SM & MM</div>		<div>MIL</div> <div>D38999</div> <div>SM & MM</div>											
<div>ESL</div> <div>28G-SR</div> <div>850nm</div>																				<div>MT-T</div> <div>MT TAB KIT</div> <div>SM & MM</div>		<div>ELIO</div> <div>ARINC 801 2.5mm</div> <div>SM & MM</div>		<div>MMF</div> <div>MULTI MODE FIBER</div> <div>50/62.5µm</div>		<div>PTFE</div> <div>TEFLON</div> <div>SM & MM</div>		<div>µM</div> <div>MICRO D38999</div> <div>SM & MM</div>											
<div>ESL</div> <div>10G-SR-DX</div> <div>850nm</div>				<div>RCP</div> <div>28G-SR</div> <div>850nm</div>		<div>RCP</div> <div>10G-SX-TX</div> <div>850nm</div>		<div>SPOT</div> <div>CE: Card Edge</div> <div>850nm</div>																		<div>COM</div> <div>COMMERCIAL</div> <div>ST, FC, SC</div>		<div>A801</div> <div>ARINC 801 1.25mm</div> <div>SM & MM</div>		<div>MT</div> <div>EXPANDED BEAM</div> <div>SM & MM</div>		<div>29504</div> <div>POF M29504</div> <div>SM & MM</div>		<div>MMF+</div> <div>MULTI MODE FIBER</div> <div>100/140µm</div>		<div>PVC</div> <div>CHLORIDE</div> <div>SM & MM</div>		<div>A600</div> <div>ARINC 600</div> <div>SM & MM</div>	
<div>ESL</div> <div>10G-SR-TX</div> <div>850nm</div>				<div>RCP</div> <div>10G-LR4-DX</div> <div>CWDM</div>		<div>RCP</div> <div>10G-SX-RX</div> <div>850nm</div>		<div>SPOT</div> <div>10/28G</div> <div>850nm</div>		<div>RJ</div> <div>10G-LR4</div> <div>CWDM</div>		<div>RJ</div> <div>28G-SR</div> <div>850nm</div>		<div>RJ</div> <div>3G-EX</div> <div>1310nm</div>		<div>RJ</div> <div>3G-SDI-LX</div> <div>850nm</div>		<div>SFP28</div> <div>25G-SR</div> <div>850nm</div>		<div>SFF</div> <div>3G-TX2</div> <div>850nm</div>		<div>SFB</div> <div>3G-35/53</div> <div>1310/1550nm</div>		<div>HM</div> <div>HERMETIC POTTED CONN</div> <div>SM & MM</div>		<div>LC</div> <div>LC CONNECTOR</div> <div>SM & MM</div>		<div>A801</div> <div>LIGHTLY™</div> <div>SM & MM</div>		<div>MT</div> <div>BREAKOUT</div> <div>SM & MM</div>		<div>29504</div> <div>M29504/4&5</div> <div>SM & MM</div>		<div>SMF</div> <div>SINGLE MODE FIBER</div> <div>5µm-9µm</div>		<div>PE</div> <div>POLYETHYLENE</div> <div>SM & MM</div>		<div>TF</div> <div>TFOCA</div> <div>SM & MM</div>	
<div>ESL</div> <div>10G-SR-RX</div> <div>850nm</div>				<div>RCP</div> <div>10G-LR4-TX</div> <div>CWDM</div>		<div>RCP</div> <div>5G-SX-DX</div> <div>850nm</div>		<div>SPOT</div> <div>1/10/40G</div> <div>850nm</div>		<div>RJ</div> <div>10G-CWDM</div> <div>CWDM</div>		<div>RJ</div> <div>10G-SX</div> <div>850nm</div>		<div>RJ</div> <div>3G-LX</div> <div>1310nm</div>		<div>RJ</div> <div>3G-SDI-TX2/RX2</div> <div>850nm</div>		<div>SFP</div> <div>1G-SX/LX</div> <div>850nm</div>		<div>SFF</div> <div>3G-RX2</div> <div>850nm</div>		<div>SFB</div> <div>G-35/53</div> <div>1310/1550nm</div>		<div>IC</div> <div>INTERPOSER CARD ASSEMBLY</div> <div>RJ/RCP/SFF/SFB</div>		<div>LC-R</div> <div>LC RUGGED</div> <div>SM & MM</div>		<div>A801</div> <div>POF</div> <div>SM & MM</div>		<div>MT</div> <div>MTP/PMPO</div> <div>SM & MM</div>		<div>29504</div> <div>M29504/14&15</div> <div>SM & MM</div>		<div>PLX</div> <div>SIMPLEX/ DUPLX</div> <div>SM & MM</div>		<div>POF</div> <div>PLASTIC OPTICAL FIBER</div> <div>1mm</div>		<div>NAV</div> <div>M28876</div> <div>SM & MM</div>	
<div>ESL</div> <div>10G-BR10-23</div> <div>1270/1330nm</div>				<div>RCP</div> <div>10G-LR4-RX</div> <div>CWDM</div>		<div>RCP</div> <div>5G-SX-TX</div> <div>850nm</div>		<div>QSFP</div> <div>28G</div> <div>850nm</div>		<div>RJ</div> <div>10G-DWDM PIN</div> <div>C-BAND</div>		<div>RJ</div> <div>10G-TX2/RX2</div> <div>850nm</div>		<div>RJ</div> <div>3G-ZX</div> <div>1550nm</div>		<div>RJ</div> <div>1G-DX</div> <div>1310nm</div>		<div>SFP+</div> <div>10G-SR</div> <div>850nm</div>		<div>SFF</div> <div>4G-SX-DPLX</div> <div>850nm</div>		<div>SFB</div> <div>G-BX10</div> <div>1310/1550nm</div>		<div>PT</div> <div>PIGTAIL ASSEMBLY</div> <div>RJ/RCP/SFF/SFB</div>		<div>LC-T</div> <div>LC TAB</div> <div>SM & MM</div>		<div>LC-801</div> <div>LOCKING TAB ARINC 801 ADAPTER</div> <div>SM & MM</div>		<div>VITA</div> <div>66 & 87</div> <div>SM & MM</div>		<div>29504</div> <div>M29504/20&21</div> <div>SM & MM</div>		<div>CPLX</div> <div>COMPLEX/ MULTI-CH</div> <div>SM & MM</div>		<div>PMMA</div> <div>ACRYLIC</div> <div>50µm-1mm</div>		<div>EN</div> <div>EN4165</div> <div>SM & MM</div>	
<div>ESL</div> <div>10G-BR10-32</div> <div>1270/1330nm</div>				<div>RCP</div> <div>10G-SX-DX</div> <div>850nm</div>		<div>RCP</div> <div>5G-SX-RX</div> <div>850nm</div>		<div>QSFP</div> <div>1/10/40G</div> <div>850nm</div>		<div>RJ</div> <div>10G-DW-E APD</div> <div>C-BAND</div>		<div>RJ</div> <div>5G-SX(-C)</div> <div>850nm</div>		<div>RJ</div> <div>3G-TX2/RX2</div> <div>850nm</div>		<div>RJ</div> <div>155M-FX-DPLX</div> <div>1300nm</div>		<div>SFP+</div> <div>10G-LR</div> <div>1310nm</div>		<div>SFF</div> <div>4G-LX-DPLX</div> <div>1310nm</div>		<div>SFB</div> <div>M-35/53</div> <div>1310/1550nm</div>		<div>LAC</div> <div>10G-SR-TX/RX</div> <div>850nm</div>		<div>LC-T</div> <div>DUPLX</div> <div>SM & MM</div>		<div>LC-T801</div> <div>METAL LATCH ARINC 801 ADAPTER</div> <div>SM & MM</div>		<div>MT</div> <div>MECHANICAL TRANSFER</div> <div>SM & MM</div>		<div>JMS/P</div> <div>JEWEL SOCKET JEWEL PIN</div> <div>SM & MM</div>		<div>RIBN</div> <div>RIBBON FIBER</div> <div>SM & MM</div>		<div>HYB</div> <div>HYBRID ASSEMBLY</div> <div>COPPER/FIBER</div>		<div>EPX</div> <div>EN4644</div> <div>SM & MM</div>	



TOSA OPTICAL SUB ASSEMBLY TX	ROSA OPTICAL SUB ASSEMBLY RX	BOSA OPTICAL SUB ASSEMBLY BI-DI	PKG CHIP ON BOARD CUSTOM DESIGN	LENS GRIN/BALL ASPHERE FIBER	VCSEL VERTICAL CAVITY SURFACE EMITTING LASER	FP FABRY PEROT LASER	EML EXTERNALLY MODULATED LASER	DFB DISTRIBUTED FEEDBACK LASER	LED LIGHT EMITTING DIODE	APD AVALANCHE PHOTO DIODE	PIN PIN DIODE	TIA TRANS IMPEDENCE AMPLIFIER DIE
OIT OPTICAL INTEGRATED TEST PLATFORM SM & MM	SFP+ 802.3cz 980nm	LS LIGHTNING STICK 1G ETHERNET	OC OPTO-CUBE 10G ETHERNET	VFL VISUAL FAULT LOCATOR VFL-SFP	RMS RUGGED MECHANICAL SPLICE SM & MM	MUX LR4, SWDM, CWDM, DWDM SM & MM	3155 OPTICAL SPLITTER SM & MM	EVAL EVALUATION BOARD SM & MM	LI LUCIOL INSTRUMENTS OTDR	KI KINGFISHER INTERNATIONAL PM / LS		
AS 9100	ISO 9001	MIL STD 810	MIL STD 883	NIST	ITAR	FDA CLASS 1 LASER EYE SAFETY	ARINC	SOSA	SAE	EN	ATEX	



Opto-Electronic Platform

							
RJ 1-10G (2 Channel, Dual TX/RX or Duplex, SX, SR, LX, LR, LR4)	RJ-28G (2 Channel, Duplex, possible Dual TX/Rx), SR, SWDM)	RJ-10G- CWDM/DWDM (2 Channel Duplex External Modulation), CWDM, DWDM)	RCP™ 1-10G (4 Channel, Quad TX/RX or Dual Duplex) MM or SM, SWDM or LR4)	Essential™ 1-28G (2 Channel, Duplex, TX or RX, LR4, Bi-Di, SWDM)	QSFP 1,10, 40 or 100G (8 Channel TX or RX, Quad Duplex)	SFF 100M-4G 2 channel Dual TX/RX or Duplex SFB 1-3G 1 channel, Bi- Di TX and RX)	SPOT™ SPOT-CE™ 1,10,40G (8 Channel TX or RX Quad Duplex)
 <i>Ethernet, Fibre Channel, SDI, HDMI, A818, SFPDP protocol support</i> 							

COTSWORKS ships 100,000 channels/year into Boeing and Airbus commercial aircraft and many USA and EMEA warfighters, transports, rotorcraft, and radar/sonar systems worldwide.

Interconnect Platform



LC-T™

All metal body, robust metal clip, no tools needed, high pull force.



LC-R™

1.25 mm ferrule with metal screw based latching system. Comes with locking termini & screw kits.



Lightly™

ARINC 801 innovation to simplify installation. No FOD risks: Built-in insertion/removal tool on back-end.



POF M29504

Plastic Optical Fiber terminus designed to accept single core 1000µm plastic fiber. MIL-PRF-29504 style.



C-Beam™

Pin and socket style optical terminus pair with replaceable hood and lens feature.



LC-T801™

LC-801™

Converts LC receptacles to ARINC 801 receptacles.

COTSWORKS develops its own rugged termini for use with our transceivers or in-line networks in vehicles

- COTSWORKS manufactures simplex and complex fiber optic cable assemblies using the highest quality materials and processes available.
- Terminated, rugged fiber cables with Military or Commercial Aerospace grade termini and connectors are made to meet and exceed industry certifications.



ARINC 801



MT



LC



M29504



Jewel

CONNECTORS

- D38999
- Micro D38999
- EN4165
- EN4694
- GPRB/EPXB
- ARINC 600
- TFOCA
- M28876
- M83526
- MPO
- SMA
- Expanded Beam



Product Platform Benefits

Optical Transceivers

- Better Tx, Rx values
- Wide temperature operation
- Meet Mil/Aero environmental
- Vertically integrated supply of transmitters and receivers
- COTSWORKS' Firmware: Better control, features, security across platform

Optical Fiber Cables

- Better IL and RL
- Inspected endfaces
- Termini and connectors from major OEMs on same cable
- Internal teams create drawings and build to industry standards or customer needs
- COTSWORKS' termini adds value in features, usability



Transceivers and cables can be tested with COTSWORKS' automated test equipment

Optical Test Platform

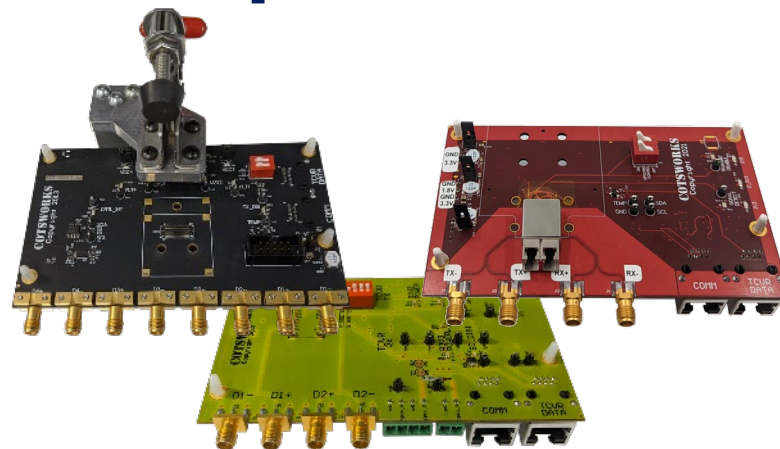
Optical Integrated Test (OIT) Platform



The (OIT) Platform can be integrated into a production line to test and validate the performance of the optical link while under data or environmental stress testing

- 2, 4, 12, or 36 port configurations in standard 19" rack
- User specified port operation, function and performance
- Modular internal design allows reduces cost, support time
- Built-in cable calibration tool reduces optical fiber referencing
- API commands for Python and other scripting
- Dedicated interface port for PC monitor and control
- Web server enables software control of hardware functions

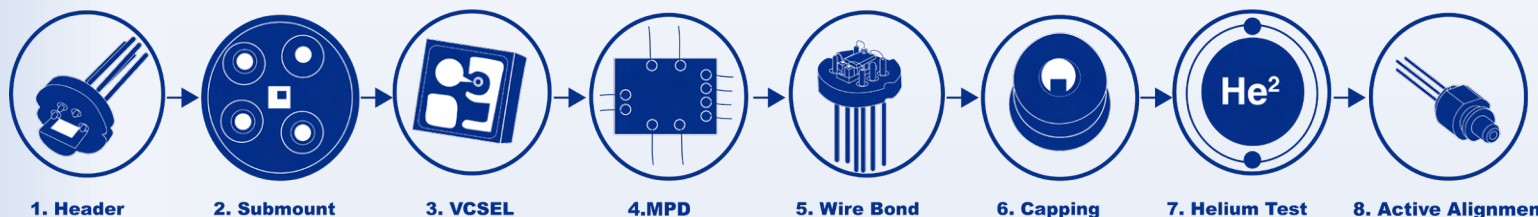
Test Boards/ Interposer Boards



COTSWORKS test boards are ideal for testing and troubleshooting optical transceivers. They can be modified into Interposer Boards routing the electrical signals from COTSWORKS' transceivers to an existing PCB.

- SMA electrical interfaces
- Clampdown feature available on all boards
- Spring header receptacles for fast and easy transceiver mounting
- Convenient test points for DDMI interface
- Easy to read LED indicators for visual function verification
- Easy access signal detect test points
- Easy access TX Disable D.I.P. switches

Optical Sub-Assembly Platform



- **ISO 7, Class 10,000 Cleanroom** houses optical alignment, encapsulation, test equipment capable of producing **OSAs** operating at 100M to 28Gbps
- **Process Capabilities:** Burn-in, active alignment and capping, curing, performance testing, harsh-environment reliability testing, visual and optical inspection
- **Next Generation Process Capabilities:** Die attach, fiber metallization, micro-welding, wire bonding, TO-can welding, mechanical test, and hermeticity test
- **Design Engineering:** Optical paths including lens creation, selection, forming, silicon bench, chip on board taking light from a solid-state semiconductor to precise fiber coupling.



TOSA

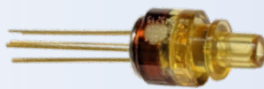
Transmitter Optical Sub-Assembly



980nm, SWDM,
CWDM4, LR4,
CWDM, DWDM

ROSA

Receiver Optical Sub-Assembly



980nm, SWDM,
CWDM4, LR4,
CWDM, DWDM

BOSA

Bi-Directional Optical Sub-Assembly



1310nm/1310nm,
1270nm, 1310nm,
1330nm, 1490nm,
1550nm



Product Features

COTSWORKS®



COTS (Commercial-Off-The-Shelf)

-40°C to +100°C , shock, vibration, humidity, and thermal cycling					Operational Performance		-20°C to 70°C usually, some extended temp.	
Solder or screw mount harsh environment electrical with Mil/Aero fiber termini					Interface Design		Limited use card edges, quick releases, plastic tabs	
Configuration management with engineered solutions					Customization		Standards based, Off the Shelf	
RoHS 5/6 or 6/6, conformal coating, epoxy staking, and more					Solder & Ruggedization		RoHS 6/6, no-clean flux, no conformal coatings	
Ruggedization Level Applies to Parylene Coated Parts	Level 1	Level 2	Level 3L	Level 3H		Relative Humidity		Not always specified, common office environment
	0-95% RH							
	Level 1	Level 2	Level 3L	Level 3H		Shock		Not Applicable or tested
	MIL-STD-883J Method 2002.5 Condition B							
	Level 1	Level 2	Level 3L	Level 3H		Functional Vibration		Not Applicable or tested
	MIL-STD-883J Method 2007.3 Condition A							
Level 1	Level 2	Level 3L	Level 3H		Part # Ordering Options		Commercial configurations, stocking items	
A	M	Z	R					
Level 1	Level 2	Level 3L	Level 3H		Operating Temperature		0 to 70°C	
-40°C to +85°C	-40°C to +95°C	-55°C to +95°C	-40°C to +100°C					

Ruggedization Level
Applies to Parylene Coated Parts

Company vs. Industry Standards

COTSWORKS®



COTS(Commercial-Off-The-Shelf)

Tight opto- and electromechanical parameters



Design Goals



Industry standards, wide tolerances

3-5 year design cycle with longer term support



Platform Lifecycle



18-36 month use and short EOL term

Highly controlled geographical supply chain
with vendor reviews



Market Focus



Commercial use and data/telecom standards based

Comprehensive literature with more
parameters than standard



Datasheet Detail



Industry Standard high level without all OE
interfaces and timing defined

Email, advanced web, phone, on-site
engineering interaction



Customer Support



Automated responses, references to
constantly changing MSAs

ITAR compliant with advanced
cybersecurity compliance



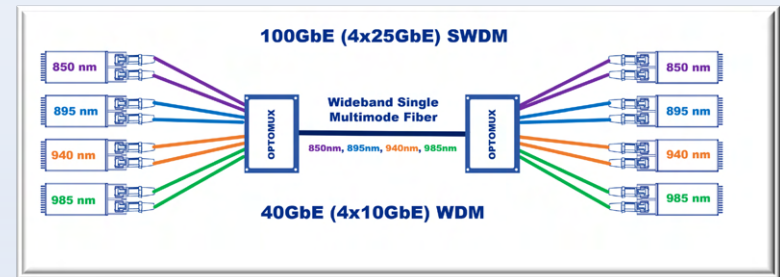
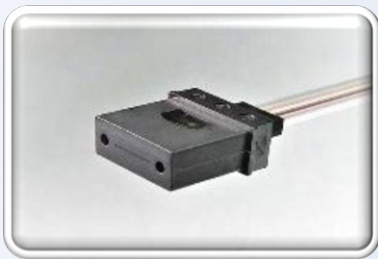
**Export
Requirements**



Open market use, unrestricted/reviewed firmware

Road to 100Gbps and Beyond

Reliable lasers at 25Gbps or 50Gbps over temp. to get to 100 or 200Gbps means parallel architecture or **W**ave **D**ivision **M**ultiplexing



Parallel

- ✓ 4, 8, or 12 channels, one controller chip, Multimode only, complex structures
- ✓ MT Connector, ribbon fiber, IEC commercial standardized
- ✓ Higher aggregate data rates with potentially lower link budget
- ✓ Smaller packages than pluggables and high-density electrical interconnect

WDM

- ✓ Two channels on single fiber or up to 16 channels for single or duplex fiber runs
- ✓ M29504, ARINC 801, or LC, simplex or duplex, Military, Commercial standardized
- ✓ Very high link budget, Single or Multimode fiber with optical muxes
- ✓ Using Mil spec fiber also enables highspeed through slip rings



COTSWORKS®

2025 PRODUCT ROADMAP

Opto-Electronic | Interconnect | OSA | Test

Q1 2025

• Opto-Electronic

- ESL-10G-SR
- ESL-BiDi-LR4
- RCP-LR4

• Interconnect

- POF-M29504 (update)
- Lightly (update)
- Potted Connectors/QSFPs

• Optical Sub-Assembly

- 1-10/14-28G MM ROSA
- 1-28G CWDM4 TOSA

• Test

- SPOT Eval Boards

Q2 2025

• Opto-Electronic

- SPOT 10G
- SPOT-CE 10G

• Interconnect

- MT-T Connector
- Lensed MT Cable Assemblies

• Optical Sub-Assembly

- 1-28G CWDM TOSA
- SM FP TOSA/ROSA

• Test

- Custom OITs

Q3 2025

• Opto-Electronic

- SFP28 SR, LR
- SPOT28
- SPOT28-CE

• Interconnect

- MT-x Box Wall Mounts
- Rugged SM/MM Couplers

• Optical Sub-Assembly

- 1310 Defocused FP TOSA
- 31/55 & 27/33 BOSA

• Test

- OptoCube 10G Updates

Q4 2025

• Opto-Electronic

- RJ-10G SR SWDM
- ESL-10G SR SWDM

• Interconnect

- S/C/D/CWDM4-Multiplexers
- Rugged Singlemode /Multi-Ferrule Termini

• Optical Sub-Assembly

- 1/10/40Gbps Optical Engine
- 10/28Gbps Optical Engine

• Test

- FPGA Based Eval Boards

For more information about COTSWORKS products, please contact our sales support team.

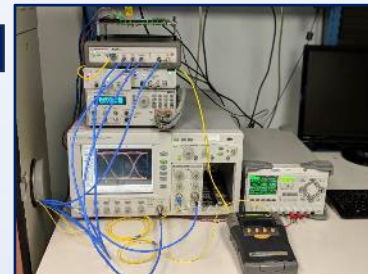
• Americas & Asia/Pacific | 440-446-8800 | sales@cotsworks.com

• EMEA | +49(0) 661 9786 9200 | EMEAsales@cotsworks.com

Facility

Facility Overview

- ISO 9001:2015, AS9100:D, JEDEC and IEC certified products
- State of the art with modern power and services for secure operation
- In-house failure analysis rework and repair capabilities
- Production test racks include automated BERTs, optical & electrical scopes, spectrum & protocol analyzers, power meters, light sources with NATA/NIST traceability, high resolution OTDRs, advanced imaging systems, mechanical property analysis, and more



Transceiver Production

- Opto-electronic assembly/test/rework stations: industry leading manufacturer equipment & custom-built stations
- All test data is recorded and readily retrievable by barcode
- All parts tracked by serial ID, lot #, technician, and linked to customer from PO to shipment
- Shipment specific test data and certificates of conformance provided with every delivery



Simplex & Complex Cabling

- SIMPLEX and COMPLEX cable design/fabrication/state of the art test of optical & hybrid assemblies
- Terminates/polishes to customer specified or industry standards: every cable/termini are inspected visually & with an interferometer ensuring they meet or exceed specifications
- IL test data provided with every cable. Screen shots of test measurements available upon request



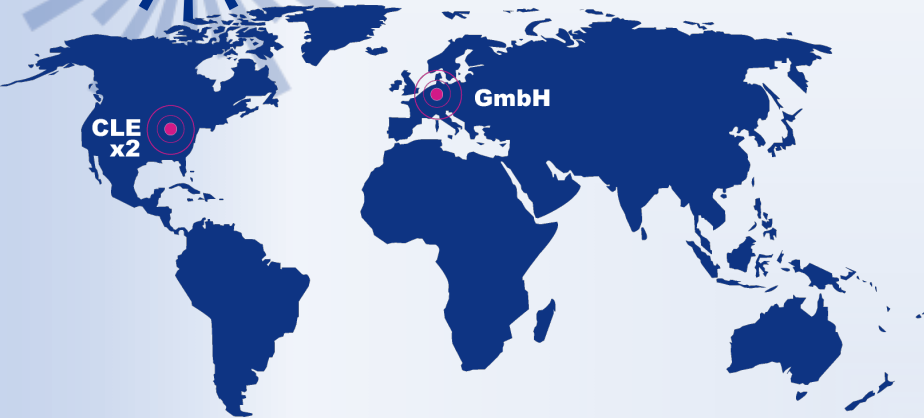
FORCE

- Fiber Optic Research Center of Excellence (FORCE) packages optical ICs utilizing optical bench design, submounts, enclosures, fiber guides unique packages, optical filters and more
- Lens design, light path analysis, splitter/combiner, laser diode package, and fiber ferrule design





Company History



100+
Employees

30,000

**SQ FT high
tech facility**

***21%
Annual
Growth**

**Excluding Pandemic Years*

100,000+

**Parts shipped
annually**

2007

COTSWORKS founded in
Cleveland, Ohio USA

COTSWORKS achieves ATEX
certification for
Oil & Gas product applications

2009

COTSWORKS achieves
ISO 9001 certification for design and
manufacturing of opto-electronic device

2011

COTSWORKS achieves ISO 9001
certification for design and manufacturing

2013

COTSWORKS named one of the top 100
fastest growing companies in Northeast Ohio

2015

2006

WDM transceivers and passives
ruggedized for Mil/Aero applications

2008

COTSWORKS expands mfg facility
with advanced ESD implementation

2010

Enhanced RJ Transceiver released,
supporting digital diagnostics, 5Gbps,
and SM fiber

2012

RCP is upgraded for new radar applications,
offering 15 dB of link budget at 10Gbps

2014

The RCP product platform is expanded
to include quad Tx or Rx configurations
in addition to standard duplex

2017

New production and engineering
areas added to support growth of
complex cable assembly offerings

2019

Multi-year product development roadmaps
released publicly, demonstrating alignment
with growing mil/aero market needs.
AS9100:D certification achieved

2021

COTSWORKS celebrates 5-years at its
GmbH office in Fulda, Germany.
Phase II Update of FORCE to include
single-mode assemblies & DFB lasers

2023

New OSAs and Test equipment.
New form factor parallel part: SPOT.
New leadership in Sales/Marketing.
New office supporting growth, and,
Best financial results in the company's history

2025

2016

AS9100C certification achieved with
production capacity exceeding
250,000 units/year

2018

COTSWORKS receives R&D grant to
build FORCE, a Fiber Optic Research
Center of Excellence, in Ohio

2020

COTSWORKS celebrates 15th anniversary
with >\$100M in generated revenue &
600,000+ units delivered across 20k
shipments to customers around the world

2022

Rugged Mechanical Splice &
POF termini released.
COTSWORKS CEO accepts chair position
at SAE AS-3 Fiber Optics & Applied
Photonics Committee

2024

Company Information

Quality System:

ISO 9001:2015 + AS9100:D CERT-0136100

ATEX Compliant, OP IS

S20.20 ESD program

J Standard electronic parts work

Compliant to FAR 52.204-2, DFARS 252:204-7012

NIST 800-171 Compliance in process



Aerospace and Electronics
Industry Quality Standards



FDA/CDRH Laser Safety Test
and Manufacturing Support



International Traffic in
Arms Regulations



ESD handling and Facility Testing,
Operation, and Certification



Harsh environments including
Oil and Gas compliance



Foreign Object Debris Procedures,
Auditing, and Training

Company Information:

EIN/Tax ID: 20-4055028

Vendor License: 18-90016

CAGE Code: 49T62

ECCN: EAR99

ITAR: M37737

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