Company Profile

- Company founded in 1985;
- Corporate headquarters located in Ottawa, Canada;
- Manufacturing facility in Ottawa/Canada, Izmir/Turkey, and Jiaxing/China
- Seven Product Groups: Laser-to-Fiber Delivery Systems, High Power Fiber Optic Components, Polarization Maintaining Products, Attenuators, Opto-Electronic Packaging, Test Equipment, Fiber Optic Sensor Systems
- Sales offices in Canada, USA, Europe, Turkey, and China
Company Profile

- Three Product Groups:
  - Fiber Optic Components 70%
  - Optical Test Equipment 25%
  - Fiber Optic Sensors 5%

- Over 1,000 products
- Leading Edge R&D
OZ Optics Products

Global Leader in Fiber Optic Products since 1989

Fiber Optic Attenuators for SM, PM, and MM Fibers

- Digital Variable Attenuators
- Electrically Controlled Variable Attenuators
- MEMS Variable Attenuators

SM / PM / MM Fiber Pigtailed Inline Variable Attenuators

- Single/ Multi Channel Miniature Variable Attenuators
- Reflective Variable Attenuators

AirGap Variable Attenuators

- LightPath Low Insertion Loss Variable Attenuators
- Attenuating Fiber Patchcords

Plugs Type Fixed Attenuators

- Optically Tuned Variable Attenuators
- Attenuating Fiber Patchcords

OZ Optics Products

www.ozoptics.com

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OZ Optics Products

Fiber Optic Components for Optoelectronic Packaging
Hermetically Sealable Patchcords with Glass or Metal Solder

Single Channel
Multi Channel

Metalized Fibers
PM/SM/MM Fiber Pigtailed V-Groove Arrays
Polarization Measurement System for V-Grooves

Tapered/Lensed Fiber Polished / Laser Stripped
Glass Solder Platforms
Fiber Optic Ferrules

Fiber Optic Test Equipment

Polarization Extinction Ratio Measurement Systems
Power Motors with Smart Detector Heads
Broadband Digital Variable Attenuators

Optical Fiber Length Motors
High Power Visual Fault Locators Fiber Optic Stable Sources
Inline Optical Power Monitors/Meters

Laser Diode Sources Single/Multiwavelength
Fiber Optic Smart Patchcords
Fiber Optic Fault Finders

OZ Optics
shop.ozoptics.com
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Product Innovation

Fiber Optic Distributed Strain and Temperature Sensors

- BOTDA only, BOTDR only, or both BOTDA and BOTDR modules in one unit
- Simultaneous measurement of strain and temperature
- Fast, dynamic measurement of strain and/or temperature up to 100 km sensing range
- Uses standard telecommunication fiber to minimize costs

Fiber Optic Fault Finder for Optical Network Safeguard™

- Monitors and reports network health status in real time, 24 hours/day, 365 days/year
- Reduces revenue loss due to fiber plant outages
- Reports fault location, giving GPS coordinates with time stamp
- Lowers network operating and maintenance expenses
- User-friendly interface via various wireless interfaces (WiFi, GPRS, USB, or RS-232)
- Early alert and outage reports via cellular phone, email, IM, SMS, or text messaging

OZ Optics Foresight™ Series

- Oil and Gas Pipeline Monitoring
- Fire Detection
- Bridges and Building Monitoring

OZ Guard Automated Test Solution
Remote Monitoring WDN Network

Remotely Accessible/Wireless Fault Finders
GPS Locator
Product Innovation

New Products, OCT Products, 2 Micron Products

- Optical Signal to Noise Ratio Generator
- Broadband Polarization-Entangled Photon Source
- OCT Modules
- 2 Micron Fused Couplers / Taps / Splitters / Combiners
- Broadband Variable Attenuators for OCT Applications
- 2 Micron Fiber Pigtailed Laser Diode Sources

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Global Leader in Fiber Optic Components since 1985
Company Profile

Over 498 employees worldwide:

- 277 in Ottawa and US
- 71 in Turkey
- 150 in China

OZ Canada

OZ China

OZ Turkey
Company Profile

**OZ Optics is lead by an experienced team:**

- Ömür Sezerman, Chairman, President & CEO
  - Founder and CEO since inception (34 years)
- Zahide Sezerman, VP of Human Resources
  - With OZ Optics since inception (34 years)
- Garland Best, VP of Components Division
  - 27 years at OZ Optics
- Gordon Youle, VP of Test Equipment Division
  - 20 years at OZ Optics
- Martin Powell, Operation Manager
  - 15 years at OZ Optics
- Metin Sezerman, General Manager of OZ Turkey
  - 18 years at OZ Optics
- Bing Li, General Manager of OZ Optics China
  - 15 years at OZ Optics
Company Profile

- ISO 9001:2015 certified
- Broad patent portfolio
- Advanced proprietary processing technology
Company Profile

Using our strong direct sales and distributors, we address the following markets:
Company Profile

- OZ Optics has resellers and distributors in over 30 Countries & Regions and over 10,000 customers globally:

- Australia
- Austria
- Belgium
- Brazil
- Canada
- China
- Czech Rep.
- Denmark
- France
- Germany
- Greece
- Hong Kong
- India
- Ireland
- Israel
- Italy
- Japan
- Netherlands
- Luxembourg
- Norway
- Poland
- Portugal
- Singapore
- South Korea
- Spain
- Switzerland
- Sweden
- Taiwan
- Thailand
- Turkey
- United Kingdom
- United States
In-House Production Capabilities

- Experienced and well-trained staff in following fields:
  - optical, mechanical, electronics & software

CNC Machine Shop  AR Coating  Femtosecond Laser Lab

Clean Room  Laser Conditioning/Cleaving
Branch Network

OZ OPTICS CANADA
(Headquarters)

OZ OPTICS TR
(Turkey Factory)

OZ OPTICS CHINA
(Jiaxing Factory)
Facility – Ottawa Headquarters

- 60,000 sq ft. – Manufacturing and R&D Facilities
- 15,000 sq ft. – Admin, Sales and Marketing
- 15,000 sq ft. – Training and Fitness Facility
- R&D, Product Design, Engineering, Final Assembly & QA
Facility – Ottawa Headquarters

- Production Area
- Training Centre Building
- Meeting Room
- Swimming Pool
OZ Optics – Turkey Factory

- Operational since 2000
- 33,000 sq ft. Manufacturing Facility
- Located in Free Trade Zone
- Low Tax Rates
- Sub Component Parts Manufacturing
- Cost Effective Manufacturing
- High Quality Labor
OZ Optics China

- Operational since 2009
- Wholly Foreign Owned Enterprise
- Subcomponent Parts Manufacturing
- Cost Effective Manufacturing
- High Quality Labor
- Extensive Training (3-6 months in OZ Canada)
OZ China Facility

Jiaxing, China

- Located in Economic Development Zone
- 500 sq meters – Admin, Sales and Marketing
- 1500 sq meters – Manufacturing Area
  - 100 sq meters – Class 10,000 Clean Room
  - 100 sq meters – ESD Working Area
Manufacturing Strategy

OZ Canada

R&D Design Engineering

Sub-Components

Made-in China

World-Wide Sourcing

Sub-Components

Made-in Turkey

Customer

✓ OZ CND Qualification
✓ Customer Qualification

OZ CND Qualification

Customer Qualification

Final Assembly Quality Assurance

Customer
All products manufactured are in strict accordance with international industry standards:

- Qualified for F35 JSF and F18 Program
- Telecordia Compliance
- CE Compliance
- RoHS Compliance
- ISO 9001:2015 Certified (Canada, China and Turkey)
- Controlled Goods Directorate Registered
Core Competencies

- Pioneer in Polarization Maintaining (PM) Components
- Leader in Wavelength Flattened, High Power & Low PDL Components
- Leader in High Power Fiber Optic Delivery Systems
- Custom Test Equipment, Including Polarization Test Equipment and FTTH Equipment
- Widest Range in Attenuator Product Offering
- Fiber Optic Distributed Strain and Temperature Sensors
- Complete product line for OCT applications & 2 Micron
- Now available: Bias Controllers, Spectrometers, Optical Noise Generators and Broadband Polarization-Entangled Photon Source
Leading Technology

- High Power Isolators
  - power handling > 50W
  - low loss, low cost
  - turnkey solution

- Pioneer in Polarization Maintaining (PM) Components
  - wavelength flattened
  - high power & low PDL
  - PM test equipment

- Leader in High Power Fiber Optic Delivery Systems
  - specializes in custom design

- Fiber Optic Sensor
  - fast and simultaneous measurement of strain & temp
  - large structure health monitoring

High Power Free Space and Pigtailed Isolators
Polarization Maintaining Patchcords
Distributed Stain and Temperature Sensors
High Power Collimators/Focusers
OUR VISION
• Be the preferred Supplier of choice
• Capture and expand market share
• Maximize shareholder value

OUR MISSION
• To become the leading provider of innovative optical products to telecom and non-telecom sectors

OUR CORE VALUES
• Leadership
• Teamwork
• Boldness
• Commitment
• Innovation
• Rewards

OUR QUALITY POLICY
• Provide our Customers with a competitive advantage, leveraging performance, price and delivery, through a continuous process of Quality advancement in all areas of our Company
• Communicate effectively to our Customers, Suppliers and Shareholders our commitment to Quality, continuous improvement and to abide by any applicable requirements
• Promote opportunities of professional development for all members of our Company through education, training and personal challenge

Ömür Sezerman
President
Competitive Advantage

Exceptional Quality & Service

Superior Technology
Innovative Engineering

Extensive Experience
In Fiber Optics Manufacturing

Global Presence

Competitive Pricing

Success
Fiber Optic Components for Optoelectronic Packaging

- Silicon V-Groove Substrates
- V-Groove Assemblies
- Metalized Fiber
- Hermetically Sealable Patchcords with Metal Solder
- Glass Solder Preforms
- Hermetically Sealable Patchcords with Glass Solder
- Inline Optical Taps and Monitors
- Soldering Stations and Polarization Test Equipment
- Tapered / Lensed Fibers
- Pigtali Style Fiber Collimators / Focusers
- Polarization Maintaining Patchcords and Connectors
V-Groove Substrates

- Up to 48 Fiber Substrates
- Better than 0.5 Micron Accuracy
- Use with Either UV or Thermal Epoxies
Fiber Pigtailed V-Groove Arrays

- Up to 48 Fibers in a Single Array
- 127, 250, & 500 Micron Spacings
- SMF, MMF & PMF
Fiber Pigtailed V-Groove Arrays

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Metalized Fibers

- SMF, MMF & PMF Versions
- Ideal for Hermetic Component Packaging
- Cleaved Fiber Endfaces, Masked Regions
- Midspan Metalization
Metalized Fibers

- Metalized Ribbon Fibers
- Midspan and Endpoint Metalization
- Cleaved Fiber Endfaces, Masked Regions
Hermetically Sealable Patchcords with Metal Solder

- Meets Telcordia Specifications
- SMF, MMF & PMF Versions
- Fibers can be finished with ferrules, laser cleaved ends or tapered fiber tips.
- Customer Specific OEM Designs
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- Customer Specific OEM Designs
Glass Solder Preforms

- Solders Glass Directly to Metal
- Ideal for Hermetic Sealing, Device Packaging
- Circular & Oval Preform Shapes
Glass Solder Preforms

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- Customer Specific OEM Designs
Inline Optical Taps and Monitors

- No Interruptions to the Optical Path
- Can be Integrated into Assemblies and Packages
- Low Insertion Losses, Return Losses and PDL
Inline Optical Taps and Monitors

- No Interruptions to the Optical Path
- Can be Integrated into Assemblies and Packages
- Low Insertion Losses, Return Losses and PDL

[Diagram showing parts such as Capillary, Optical Tap, Hermetic Seal, Jacketing, Stripped Fiber Region, Seal Tube, and Emerging Light For Monitoring]
Tapered/Lensed Fibers

• As Small As 2.5 Micron Spot Sizes
• Circular And Oval Spot Profiles
• Custom OEM Designs, Metalized Versions
Pigtail Style Fiber Collimators/Focusers

• > 2 Micron Spot Sizes, Up to 5W Power
• Up to -60dB Backreflection SMF, PMF & MMF
• 1.6mm, 2.5mm, 4mm & 8mm OD Housing
Precision Fiber Collimator/Focuser Arrays

• Generate a Precise Array of Collimated Beams or Focused Spots
• High Density, Small Footprint
• Single Mode and PM Fiber Versions Available
Your solution provider for existing and next generation fiber optic components and test equipment

Please Contact Our Sales Dept:
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Email: sales@ozoptics.com.
Thank You for Choosing OZ!