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
- Pigtail Style Fiber Collimators / Focusers
- Polarization Maintaining Patchcords and Connectors
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 1985

Fiber Optic Attenuators for SM, PM, and MM Fibers

- Digital Variable Attenuators
- Electrically Controlled Variable Attenuators
- MEMS Variable Attenuators
- SM / PM / MM Fiber Pigtalled Inline Variable Attenuators
- Single/Multi Channel Miniature Variable Attenuators
- Reflective Style Variable Attenuators
- Air Gap Variable Attenuators
- Plug Type Fixed Attenuators
- Attenuating Fiber Patchcords

Laser & Laser Diode to Fiber Delivery Systems

- Laser to Fiber Couplers
- Bare Fiber Adapters with Magnetic Clips
- Bulkhead Receptacles
- Pigtail/Receptacle Style High/Low Power Collimators/Focusers
- High/Low Power Patchcords
- WDM/RGB Combiners

OCT Modules and 2 micron Components

OTM Laser Diode to Fiber Couplers

Turbokey Ultra Stable Laser Modules

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OZ Optics China Ltd.
Tel: +86-573-8222-3093
Fax: +86-573-8222-3093
sales@ozoptics.com.cn
Product Innovation

Fiber Optic Distributed Strain and Temperature Sensors
USA Patent Numbers: 3899151, 7599047

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

OZ Optics
shop.ozoptics.com
www.ozoptics.com

Global Leader in Fiber Optic Products since 1985

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 operation and maintenance expenses
- User friendly interface via various wireless interfaces (Wi-Fi, GPRS, SMS, or RS-232)
- Early alert and outage reports via cellular phone, email, IM, SMS or text messaging

Remote Monitoring a WDM Network

OZ Guard Automated Test Solution

Remotely Accessible Wireless Fault Finders

GPS Locator

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OZ Optics Ltd. Headquarters, Canada
Tel: +1-813-263-6511 Fax: +1-813-263-3199 sales@ozoptics.com
Company Profile

Over 470 employees worldwide:

- 260 in Ottawa and US
- 50 in Turkey
- 160 in China
Company Profile

OZ Optics is lead by an experienced team:

- Ömür Sezerman, Chairman, President & CEO
  - Founder and CEO since inception (32 years)
- Zahide Sezerman, VP of Human Resources
  - With OZ Optics since inception (32 years)
- Garland Best, VP of Components Division
  - 25 years at OZ Optics
- Gordon Youle, VP of Test Equipment Division
  - 18 years at OZ Optics
- Martin Powell, Operation Manager
  - 13 years at OZ Optics
- Sarah Miller, Controller
  - 4 years at OZ Optics
- Metin Sezerman, General Manager of OZ Turkey
  - 16 years at OZ Optics
- Bing Li, General Manager of OZ Optics China
  - 13 years at OZ Optics
ISO 9001:2015 certified
Broad patent portfolio
Advanced proprietary processing technology
Using our strong direct sales and distributors, we address the following markets:
OZ Optics has resellers and distributors in over 30 Countries & Regions and over 10,000 customers globally:
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

- **Customer**
  - OZ CND Qualification
  - Customer Qualification

- **OZ Canada**
  - R&D Design Engineering

- **Sub-Components**
  - World-Wide Sourcing
  - Made-in China
  - Made-in Turkey
  - OZ CND Qualification
  - Customer Qualification

- **Final Assembly Quality Assurance**
  - OZ Canada
  - Customer
Industry Standards

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

- Telecordia Compliance
- CE Compliance
- RoHS Compliance
- ISO 9001:2008 Certified (China and Turkey)
- ISO 9001:2015 Certified (Canada)
- 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
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

PRIVATE AND CONFIDENTIAL
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 and continuous improvement
• Promote opportunities of professional development for all members of our Company through education, training and personal challenge

Ömür Sezerman
President
Competitive Advantage

- Superior Technology
- Innovative Engineering
- Exceptional Quality & Service
- Competitive Pricing
- Extensive Experience in Fiber Optics Manufacturing
- Global Presence

Success
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
Hermetically Sealable Patchcords with Metal Solder

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

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Hermetically Sealable Patchcords with Glass Solder

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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
Tapered/Lensed Fibers

- As Small As 2.5 Micron Spot Sizes
- Circular And Oval Spot Profiles
- Custom OEM Designs, Metalized Versions
Tapered/Lensed Fibers

• As Small As 2.5 Micron Spot Sizes
• Circular And Oval Spot Profiles
• Custom OEM Designs, Metalized Versions
Pigtal 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
OZ Optics

Your solution provider for existing and next generation fiber optic components and test equipment

Please Contact Our Sales Dept:
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Toll Free: 1-800-361-5415
Email: sales@ozoptics.com.
Thank You for Choosing OZ!