HIGH POWER FIBER OPTIC COMPONENTS

OZ Optics Limited

June 2020
Corporate Background

- Founded in 1985;
- Corporate headquarter 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, Fiber Optic Test Equipments, and Fiber Optic Sensor Systems;
- Sales offices in Canada, USA, Europe, Turkey and China.
Corporate Statements and Quality Policy

**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 to non-telecom sectors

**Our Core Value**
- Leadership
- Teamwork
- Boldness
- Commitments
- 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.
Company Profile

Over 450 employees worldwide:

- **OZ Canada**: 250+ employees
- **OZ China**: 120+ employees
- **OZ Turkey**: 80+ employees
Company Profile

- ISO9001:2015 Certified
- Broad Patent Portfolio
- Advanced Proprietary Processing Technology

[Certification and Patent Images]
Company Profile

*OZ Optics is lead by an experienced team:*

* Ömür Sezerman, Chairman, President & CEO
  * Founder and CEO since inception (35 years)
* Zahide Sezerman, VP of Human Resources
  * With OZ Optics since inception (35 years)
* Garland Best, VP of Components Division
  * 28 years at OZ Optics
* Gordon Youle, VP of Test Equipment Division
  * 21 years at OZ Optics
* Martin Powell, Operation Manager
  * 16 years at OZ Optics
* Metin Sezerman, General Manager of OZ Turkey
  * 19 years at OZ Optics
* Bing Li, General Manager of OZ Optics China
  * 16 years at OZ Optics
Company Profile

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

- CNC Machine Shop
- Femto-Second Laser Lab
- AR Coating
- Clean Room
- Laser Conditioning/Cleaving
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

Three Product Groups

- Fiber Optic Components, 85%
- Optical Test Equipments, 10%
- Fiber Optic Sensor, 5%

Over 1,000 Products

Leading Edge R&D
Leading Technology

Featured Products
Leading Technology

Featured Products
Industry Standards

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

- Qualified for F35 JSF and F18 Program
- Telecordia Compliance
- CE Compliance
- RoHS Compliance
- REACH Compliance
- ISO 9001:2015 Certified (Canada, China and Turkey)
- Controlled Goods Directorate Registered
Using our strong direct sales and distributors, we address the following markets:
By leveraging the technology and expertise gained since its inception, OZ Optics has attracted a broad range of customers in the telecom/datacom, medical, military, security, industrial, construction, aerospace, power utilities, petrochemical and educational sectors.
Marketing Strategy

Global Sales Network

OZ Optics has resellers and distributors in over 30 Countries & Regions with over 10,000 customers worldwide:
Marketing & Operation Strategy

Competitive Advantage

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

Success
Branch Network

- OZ OPTICS CANADA (Headquarters)
- OZ OPTICS TR (Turkey Factory)
- OZ OPTICS CHINA (Jiaxing Factory)
Branch Network

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 Facilities
Branch Network

Facility - Ottawa Headquarters

Production Area

Training Centre Building

Meeting Room

Swimming Pool
Branch Network

Facility - Turkey Factory

Izmir, Turkey

- Operational since 2000
- 33,000 sq ft. Manufacturing Facility
- Located in Free Trade Zone
- Low Tax Rates
- Sub Component Parts Manufacturing
- High Quality Labor
Branch Network

Facility - China Factory

Jiaxing, China

- Operational since June 2010
- Wholly Foreign Owned Enterprise
- Cost Effective Manufacturing
- High Quality Labor
- Supply Chain Integration
OZ Optics China

Zhejiang OZ Optics Technologies Co., Ltd

- Operational since June 2010
- Wholly Foreign Owned Enterprise
- NPI & Production Line Setup
- On-site Training by OZ CND
- Began Mass Production in September 2010
- Completed Main Facility Expansion in 2019
Branch Network

Facility - China Factory
Jiaxing, China

- Located in Economic Development Zone
- 4000+ sq meters - Total Area
  - 500 sq meters - Admin, Sales and Marketing
  - 3500 sq meters - Manufacturing Area
  - 500 sq meter - Class 10,000 Clean Room
  - 300 sq meter - ESD Working Area
Clean Room for High Power Manufacturing Components
Fusion Splicer for End Capping
Laser Cleaving System
High Power Inspection Station
High Power Gluing Station for Patchcords
High Power AR Coating Machine
Laser Conditioning Station
High Power Patchcords And Connectors

- Able To Transmit Over 1kW Of Optical Power
- Operating Wavelengths From 200nm To 2000nm
- PMF, SMF, And MMF High Power AR Coatings
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OZPEN™ CO2 Fiber Optic Cleaning Unit

- Superior removal of contaminants on fiber optics and other components
- Quick and dry solvent free cleaning process
- Cleans variety of substrates
- Designed to clean small surface area
- Ideal for high power applications
High Power Collimators/Focusers

- Up to 100 Watts CW Power Handling
- Available for 180nm to 2000nm Wavelengths
- Receptacle and Pigtailed Versions
Fused High Power Fiber Collimators

- No air-glass interfaces for maximum power handling
- Over 1 kW power handling
- Singlemode, multimode, polarization maintaining and large mode area fiber versions available
High Power Fiber Pigtailed Isolators

- Low Insertion Loss, Up to 100 Watts
- Available From 400 - 2000nm
- Polarization Independent, High Isolation
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Mode Field Adapter

- High Power Handling
- Adapts and conserves modal content
- Singlemode and Polarization Maintaining Versions
- Custom designs available
High Power Directional Taps/Power Monitors

- Up to 10 Watts Power Handling
- SM, PM and Specialty Fiber Versions, including Photonic Crystal Fiber
- Available for 320nm to 2000nm Wavelengths
High Power Shutters/Bulkhead Receptacles With Safety Interlocks

* Multiple Watts CW Power Handling
* Shutter Speed of < 5 msec
* Temperature, Contact or Proximity Sensors for Safety Interlock
* SMA 905 or FC Receptacles
High Power Shutters/Bulkhead Receptacles With Safety Interlocks

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Laser To Fiber Coupler With Shutters

- >60% Coupling Efficiency For SMF & PMF
- Up To 3 Watts Optical Power Handling
- Ideal For Safety Interlocks, Remote Control
High Power Wavelength Division Multiplexer

- 0.8dB Insertion Losses, 65dB Isolation
- Up To 2 Watt Power Handling
- -40dB, -50dB, -60dB Backreflection
High Power Wavelength Division Multiplexer

- 0.8dB Insertion Losses, 65dB Isolation
- Up To 200 Watt Power Handling
- -40dB, -50dB, -60dB Backreflection
High Power Antireflection (AR) And Highly Reflective (HR) Coated Fiber Ends

- HR, R>98%, AR < 0.3%
- 350nm To 2000nm Wavelength Coatings
- SMF, MMF & PMF Versions
High Power Optical Coatings

* High Power AR, Beamsplitter, Dichroic Coatings
* Fibers, Micro Optics, Lenses, Plates, Prisms Etc.
* Low Temperature High Abrasion Resistant Coatings
Thank You for Choosing OZ Optics

Please Contact Our Sales Dept:

Tel: 613-831-0981 ext 3370

Toll Free: 1-800-361-5415

Email: sales@ozoptics.com.