

The Global Market for Specialty Optical Fibers

<https://marketpublishers.com/r/G58BCA1E536EN.html>

Date: March 2013

Pages: 92

Price: US\$ 1,085.00 (Single User License)

ID: G58BCA1E536EN

Abstracts

Specialty fibers and fiber sensors are now widely used in harsh environment or hazardous applications in the oil & gas industry, mining, electric utilities, marine, and several others. New classes of specialty optical fibres have demonstrated the potential to extend the impact of optical fibres well beyond the telecommunications arena. They are making an impact and commercial inroads in fields such as industrial sensing, bio-medical laser delivery systems, military gyro sensors, as well as automotive lighting and control-to name just a few-and span applications as diverse as oil well downhole pressure sensors to intra-aortic catheters, to high power lasers that can cut and weld steel. The conservative global market size for specialty fibers in 2012 is USD 624.5 million.

The Global Market for Specialty Optical Fibers analyses this fast growing sector through to 2020. Contents include:

Preforms

Fabrication methods

Erbium and rare-earth doped fibers

Photosensitive fibers

Polarization maintaining fibers

Photonic crystal fibers

Polymide coated silica/silica fibers

Specialty optical fiber manufacturer profiles

Contents

1 REPORT METHODOLOGY

2 EXECUTIVE SUMMARY

3 THE GLOBAL MARKET FOR SPECIALTY OPTICAL FIBERS

- 3.1 Market structure
- 3.2 Market revenues
- 3.3 Market by region
- 3.4 End user markets

4 PREFORMS

- 4.1 Suppliers

5 FABRICATION METHODS

- 5.1 Modified chemical vapor deposition (MCVD)
- 5.2 Outside vapor deposition (OVD)
- 5.3 Vapor axial deposition (VAD)
- 5.4 Plasma chemical vapor deposition (PCVD)
- 5.5 Plasma outside deposition (POD)
- 5.6 Direct nanoparticle deposition (DND)

6 SPECIALTY OPTICAL FIBERS

6.1 ERBIUM AND RARE-EARTH DOPED FIBERS

- 6.1.1 Applications
- 6.1.2 Market structure
- 6.1.3 Suppliers

6.2 PHOTSENSITIVE FIBERS

- 6.2.1 Applications
- 6.2.2 Market structure
- 6.2.3 Suppliers

6.3 POLARIZATION MAINTAINING FIBERS

- 6.3.1 Applications
- 6.3.2 Market structure

6.3.3 Suppliers

6.4 PHOTONIC CRYSTAL FIBERS

6.4.1 Applications

6.4.2 Market structure

6.4.3 Suppliers

6.5 LARGE-MODE-AREA (LMA) DOPED DOUBLE CLAD FIBER LASERS

6.5.1 Applications

6.5.2 Market structure

6.5.3 Suppliers

6.6 METAL COATED FIBERS

6.6.1 Applications

6.6.2 Market structure

6.6.3 Suppliers

6.7 POLYIMIDE COATED SILICA/SILICA FIBERS

6.7.1 Applications

6.7.2 Market structure

6.7.3 Suppliers

7 FIBER MANUFACTURERS

7.1 Advanced Fiber Tools GmbH

7.1.1 Profile

7.1.2 Products

7.2 Ceramoptec GmbH

7.2.1 Profile

7.2.2 Products

7.3 Coherent, Inc.

7.3.1 Profile

7.3.2 Products

7.4 Coractive

7.4.1 Profile

7.4.2 Products

7.5 Corning Incorporated

7.5.1 Profile

7.5.2 Products

7.6 Draka/Prysmian

7.6.1 Profile

7.6.2 Products

7.7 Fibercore Ltd.

- 7.7.1 Profile
- 7.7.2 Products
- 7.8 Fiberguide Industries, Inc.
 - 7.8.1 Profile
 - 7.8.2 Products
- 7.9 Fiberlogix Ltd.
 - 7.9.1 Profile
 - 7.9.2 Products
- 7.10 Fibertronix
 - 7.10.1 Profile
 - 7.10.2 Products
- 7.11 Fujikura
 - 7.11.1 Profile
 - 7.11.2 Products
- 7.12 INO
 - 7.12.1 Profile
 - 7.12.2 Products
- 7.13 IVG Fiber Ltd.
 - 7.13.1 Profile
 - 7.13.2 Products
- 7.14 IX Fiber
 - 7.14.1 Profile
 - 7.14.2 Products
- 7.15 Leoni Fiber Optics GmbH
 - 7.15.1 Profile
 - 7.15.2 Products
- 7.16 Mitsubishi Cable
 - 7.16.1 Profile
 - 7.16.2 Products
- 7.17 Neolight Technologies
 - 7.17.1 Profile
 - 7.17.2 Products
- 7.18 NKT Photonics
 - 7.18.1 Profile
 - 7.18.2 Products
- 7.19 Nlight
 - 7.19.1 Profile
 - 7.19.2 Products
- 7.20 Nufern

- 7.20.1 Profile
- 7.20.2 Products
- 7.21 OFS Fitel/Furukuwa
 - 7.21.1 Profile
 - 7.21.2 Products
- 7.22 Molex/Polymicro Technologies
 - 7.22.1 Profile
 - 7.22.2 Products
- 7.23 Prime Optical Fiber Corporation
 - 7.23.1 Profile
 - 7.23.2 Products
- 7.24 Sumitomo Electric
 - 7.24.1 Profile
 - 7.24.2 Products
- 7.25 Verrillon, Inc.
 - 7.25.1 Profile
 - 7.25.2 Products

REFERENCES

Tables & Figures

TABLES & FIGURES

Figure 1: Specialty optical fibers global market, revenues 2012-2020, conservative estimate

Table 1: Specialty optical fibers global market, revenues 2012-2020, conservative estimate

Figure 2: Specialty optical fibers global market, revenues 2012-2020, optimistic estimate

Table 2: Specialty optical fibers global market, revenues 2012-2020, optimistic estimate

Figure 3: Global consumption of specialty optical fibers, by region

Figure 4: Main markets for specialty optical fibers, 2012

Table 3: Specialty optical fibers market structure

Figure 5: Specialty optical fibers, revenues 2012-2020, conservative estimate

Table 4: Specialty optical fibers, revenues 2012-2020, conservative estimate

Figure 6: Specialty optical fibers, revenues 2012-2020, optimistic estimate

Table 5: Specialty optical fibers, revenues 2012-2020, optimistic estimate

Figure 7: Global consumption of specialty optical fibers, by region

Figure 8: Main markets for specialty optical fibers, 2012

Table 6: Application of erbium and rare earth doped fibers

Table 7: Key applications of erbium doped fibers, benefits, manufacturers and product developers

Table 8: Main manufacturers of erbium and other rare earth doped fibers

Table 9: Application of photosensitive fibers

Table 10: Key applications of Fiber Bragg Gratings with Photosensitive fibers, benefits, manufacturers and product developers

Table 11: Main manufacturers of photosensitive fiber

Figure 9: Cross section of three types of PM fiber

Table 12: Application of polarization maintaining fibers

Table 13: Key applications of polarization maintaining fiber, benefits,

Table 14: Main manufacturers of Polarization Maintaining Fibers manufacturers and product developers

Table 15: Application of photonic crystal fiber (PCF)

Table 16: Key applications of PCF, benefits, manufacturers and product developers

Table 17: Main manufacturers of PCF

Figure 10: Rudimentary fiber laser configuration

Table 18: Key applications of large mode area fibers, benefits, manufacturers and product developers

Table 19: Main manufacturers of double clad large mode fibers for lasers

Table 20: Application of metal coated fibers

Table 21: Key applications of large mode metal coated fibers, benefits, manufacturers and product developers

Table 22: Main manufacturers of metal coated fibers

Table 23: Application of polyimide coated all silica fibers

Table 24: Key applications of large mode metal coated fibers, benefits, manufacturers and product developers

Table 25: Main manufacturers of Polyimide coated all silica fibers

I would like to order

Product name: The Global Market for Specialty Optical Fibers

Product link: <https://marketpublishers.com/r/G58BCA1E536EN.html>

Price: US\$ 1,085.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G58BCA1E536EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970