



# CONEXA

TECH SOLUTIONS

## FIBRE


Speciality Optical Fibres, Bundles  
& Custom Cable solutions

# Powering technology and future development





Conexa Tech Solutions is a supplier of specialty fibre products for a broad spectrum from 300nm to 18µm. Offering an extensive range of optical fibres, cables and bundles, spectroscopy probes and accessories, backed with exceptional technical consultancy. Our product offering has been developed to cater for a wide range of market sectors including industrial process control, medical diagnostics, environmental monitoring, scientific research and analytical instrumentation.

## Our Product Range

### Fibres, Cables & Bundles

- Copper Coated Silica Fibres 
- Aluminium Coated Silica Fibres 
- Chalcogenide Min-IR Fibres 
- Polycrystalline Infra-Red Fibres 
- Hollow Glass Waveguides 
- Indium and Zirconium Fluoride Glass Fibre 
- Customer Optical Fibre Bundles 
- Fibre Accessories 

### Spectroscopy Probes & Probe Couplers

- Reflection Probes 
- ATR Probes 
- Raman Probes 
- Transflection Probes 
- Fluorescence Probes 
- Multi-Spectral Combi Probes 
- Spectroscopy Accessories 

### Industrial & Medical Power Supplies

- Chassis Mount 
- Din Rail 
- Desktop/Plugtop 
- AC/DC & DC/DC Board Mount 
- Power Cables 

# Capability and Product Development

Our partners are some of the most innovative manufacturers on earth engineering, designing and manufacturing the highest quality, cost-effective optical fibre solutions. Offering full production cycle control from crystal growth and fibre extrusion to the development and manufacture of customised cables and probes. As a team our goal is to leverage advanced research & unique technology in this field to deliver the perfect customer solution each and every time.

## Our Core Values

### Technical



We strive to be experts, offering a consultative approach to our customers. Our engineering backgrounds coupled with

extensive industry knowledge ensures a true understanding of every product or end to end solution we deliver.

### Innovation



We are passionate about innovation and bringing the latest technology to market. Our talented leadership team have unrivalled expertise from

across the technology ecosystem ensuring we raise the bar on the value we deliver.

### Trust



Our team embraces accountability at the highest level to ensure an open and honest working

environment. This helps cultivate creativity and brings value to our customers and vendors, driving outstanding results.

### Responsive



Responding quickly and positively to all challenges can mean the difference between success and failure. Our dynamic style means we

can adapt quickly to maximize results for our partners and our business.

### Collaboration



Individual ownership and collaboration come together naturally for us. We leverage our collective expertise, listen well,

support and inspire, so we do more than just achieve our goals – we do great things.

## Latest product development highlights

- High-performance, high-quality specialty optical fibre cables covering broad band spectral range, from UV (220nm) to Mid Infrared (18µm), for applications that include industrial manufacturing, environmental sensing and space applications.
- The latest generation of Attenuated Total Reflection Near & Mid IR-fibre ATR-Probes produced for any type of FT-NIR, FT-IR and other IR-spectrometers, photometers and IR-LED or QCL spectral sensors.
- ATR immersion fibre optic probes with patented design.

- High sensitivity Raman fibre optic probe to be used with any Raman spectrometer.
- Specially designed Fluorescence Probes, based on Bifurcated or Multi Channel Furcated Fibre Optic Bundles.
- NIRaman Combi probes

## Case Study ~ Fibre Optics for Medical

Our customer, a manufacturer of medical grade optical instruments, required stringent tolerance levels on volume production of high-quality fibre optic bundles to support an upgrade to their flagship product line. The incumbent supplier's manufacturing capabilities were insufficient to support these requirements. Conexa Tech Solutions performed a rapid qualification of the customer's requirements and identified appropriate materials, specifications and manufacturing processes to quickly supply prototype product for approval.

During the design phase, we supported identification and consultancy on unspecified parameters within the incumbent product specification, to ensure a complete design requirement in order to guarantee repeatability and improve scope of application.

## About us

With rapid technology developments in key sectors of Photonics, more and more use cases and adopters are driving fibre optic applications. Manufacturers deploying photonics as a core technology in their products require an exceptional level of support in engineering, design and manufacturing from their supplier. Conexa Tech Solutions leverage unique technologies and refined manufacturing processes mixed with our exceptional experience to bring intuitive solutions to our customers. We remove barriers, provide personal support and we use this approach to bring the best and newest technologies to market to wholeheartedly support our customer's development and growth.

## We believe that Agility + Experience = Innovation

### What drives us?

We empower our global partners to achieve great outcomes with technology. We integrate technologies, knowledge and practices in our core fields to unlock their combined potential for all.





Our flexible approach enables our customers to choose what is right for them whilst providing on hand technical consultancy every step of the way.

Discover the advantages of Conexa Tech Solutions' technical knowledge, support and best in class products and experience it for yourself!

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