

# Remspec Brings Mid-IR Fiber Production On-Line

STURBRIDGE, Mass., May 17, 2012 (SEND2PRESS NEWSWIRE) – Remspec Corporation is pleased to announce that it has completed the technology transfer and an upgrade of the mid-IR optical fiber manufacturing process originally developed by Amorphous Materials Inc. of Garland, Texas. This means that in addition to meeting its own needs for high grade mid-IR (2  $\mu\text{m}$  to 11  $\mu\text{m}$ ) fiber Remspec can now supply high quality low-cost fiber to meet the general needs of the optical device community.

The unique technology used in this process allows the production of high numerical aperture fiber in high volume at less than half the cost of competing technologies. The capacity of Remspec's facility for 500/600  $\mu\text{m}$  core/clad fiber is over 20 km per year with other sizes available to volume purchasers. This fiber, while not suitable for high power laser applications is, with its high numerical aperture (0.6), well suited for spectroscopy, pyrometry and other low power applications. Unclad fiber is also available and is suitable for distributed chemical sensors.

This development makes Remspec the only fully integrated producer of mid-IR fiber-optic spectroscopy systems. "Being in full control of the manufacturing process from drawing fiber to manufacturing the final system will enable industry leading quality and consistency in our products," according to the company's president.

As part of the transfer process Remspec has invested in equipment improvements that have led to better yields and product consistency.

## **About Remspec:**

Remspec, with manufacturing located in Charlton, Massachusetts, was founded in 1993 to pioneer and develop the market for fiber-optic probes and chemical sensors that operate in the mid infrared or fingerprint region of the optical spectrum. Since then, Remspec has been the leader in development and manufacture of cables, spectroscopic probes, and integrated systems using mid-IR optical fiber. Products such as ReactionView® for real-time reaction monitoring, SpotView® for trace surface analysis and cleaning validation, ArtView™ for non-destructive analysis of paintings and museum objects, and TissueView™ for in-vivo evaluation of skin and other tissue, are all technology leaders in their fields.

Information about the fiber products may be found at <http://www.ir-fiber.com> .

Product and pricing inquiries can be directed to [sales@ir-fiber.com](mailto:sales@ir-fiber.com).

Information about spectroscopy products may be found at <http://www.remspec.com> .

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