



# ***FIBER OPTICS***

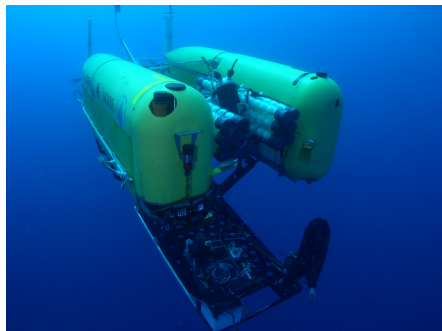
**ALL WE DO**



*To Serve Those Who Serve*

## Precision fiber-optic dispenser payout for a variety of applications

As a leading supplier of fiber-optic dispensers, SCI fully understands the importance of precision. No matter the objective, our customers require flawless performance from our fiber-optic dispensers in a wide range of military and civilian applications. With a long track record of experience in fiber optics, we're up for the challenge.



### Adaptable + Advanced

SCI's unique winding techniques allow for a full range of trouble-free payout speeds, from slow to supersonic and everything in between. That makes SCI's dispensers the perfect choice for any tethered fiber-optic system, whether it's in the air, on land or under water.

Our cables are as adaptable as they are advanced, delivering an array of guidance and control functions for transmitting video, telemetry and commands bi-directionally in virtually any environment.

### Wherever The Need Arises

SCI has all the tools and knowledge to make your project a success. Our experienced engineering staff, state-of-the-art

payout testing lab and dedicated manufacturing facility stand ready to support any fiber-optic program. SCI developed the fiber-optic dispenser for the Nereus Remotely Operated Vehicle, developed by Woods Hole Oceanographic Institute.

In 2009, Nereus successfully dived 10,902 meters to the bottom of Challenger Deep in the Mariana Trench. Man-in-the-loop control from a surface ship was maintained for 17 hours.

SCI also has extensive experience as a Department of Defense supplier, providing dependable yet innovative solutions for undersea weapons, mine countermeasures, communications, undersea networks and surveillance. Wherever the need arises, SCI has you covered.

### Features/Benefits

- › Capable of slow to supersonic payout speeds
- › Flawless operation at extreme depth/pressure
- › Designed with our advanced understanding of packing mechanics and payout dynamics
- › Tested and wound in-house to customer specifications
- › Fielded in a variety of military/commercial applications
- › Supported by decades of experience in research, prototyping, testing and production
- › Full production of fiber optic spools
- › Rapid prototyping of tethered systems

