

Omnetics Miniature Connection News April, 2008

Applications and Insights on our products, our customized business and capabilities.

Helicopter Business is Booming. Massive replacements and upgrades for recent military needs have bloomed into new designs, new models and more electronics in each vehicle. Rolling out from the extensive **military “replace and upgrade”** business is the new family of **Unmanned or Robotic** helicopters with specialty roles and for improved **“Search and Rescue”** vehicles. Even homeland security has tripled its demand for Helicopters with unique capabilities. One common thread touches all of the helicopter industry. They want more electronics of more rugged reliability in smaller spaces. To accommodate that need Omnetics has provided many variations of their both micro and nano connector systems.



Omnetics micro connectors pass all the test specifications listed in MIL-DTL-83513 and our Nano connectors pass all the specification listed in MIL-DTL-32139. Even more impressive is the wide range of successful applications the Omnetics has supported over the years.

Omnetics helicopter connectors perform consistently in aggressive flight-battle conditions for the weapons release system in the highest shock and vibration applications. Inside the cockpit, high-density displays are connected to the data computers via Omnetics' high-density strip connectors. In the Army's Arrowhead Apache's electro/optical fire control system includes target-acquisition, day and night vision sensors as well as rangefinders and laser spot

trackers. Key electronic modules are interconnected using connectors and cables from Omnetics Connector. On the home-front Police Helicopters and Search and Rescue units attach FLIR systems on the underside of the helicopters and connect with Omnetics micro-latch strip connectors. What is next? The new “Unmanned-copters” will be looking for more in smaller, light-weight systems, but still as rugged as they can get. Omnetics will be there with Standard products, Custom Designs with the up-most in miniaturized rugged, reliability.



See Omnetics Catalogs for Off-the-Shelf micro and nano connectors, and call for customized connectors aimed specifically at your design and configuration.

Author: bstanton@omnetics.com

More info: www.omnetics.com



U.S. Navy Fire Scout
Unmanned