

## FOR IMMEDIATE RELEASE

### CONTACT:

Debbie Kalapati  
Mainstream Engineering  
200 Yellow Place  
Rockledge, FL 32955  
Phone: 321-631-3550  
dlk@mainstream-engr.com  
<http://www.qwik.com>

## Only QwikShot® Acid Flush Approved for Use on the Most Demanding Space Systems

*Rockledge, FL* (June 2003) – Spacecraft Thermal Control in unmanned satellites is being pushed to much higher power levels with the use of the Heat Pump Thermal Control Loop (HPL). The heart of this system is a magnetic-bearing hermetic compressor operating at more than 20,000 RPM. This long-life, non-contact compressor, while almost indestructible, still suffers the same fate as every other hermetic compressor – the acid induced degradation of the motor windings eventually leads to a compressor motor burn-out. The only approved solution for preventive maintenance and acid treatment is **QwikShot® Acid Flush**.

Developed by Mainstream Engineering Corporation of Rockledge, Florida, QwikShot Acid Flush *is the only acid treatment on the market that does not neutralize the acid*. Instead, it quickly flushes any harmful acids into the filter-drier of the operating system. This allows the filter-drier in the system to remove the acid (and the Acid Flush itself), leaving no residue or contaminant in the system to cause problems.

The patented QwikShot Acid Flush (US Patent # 5,770,048) removes the acid without any of the problems associated with neutralization. Conversely, neutralization acid treatments leave a residue of some kind – a basic law of chemical reactions – and can therefore cause serious problems in an A/C or refrigeration system. The spacecraft thermal control HPL designers sought to minimize these risks and improve reliability whenever possible, and chose QwikShot Acid Flush, *and only QwikShot*, for this application.

QwikShot Acid Flush is guaranteed not to void any compressor warranty. Complete details about QwikShot Acid Flush, including performance test results and the Limited Warranty are available on the QwikProducts web site at [www.qwik.com](http://www.qwik.com).

###