



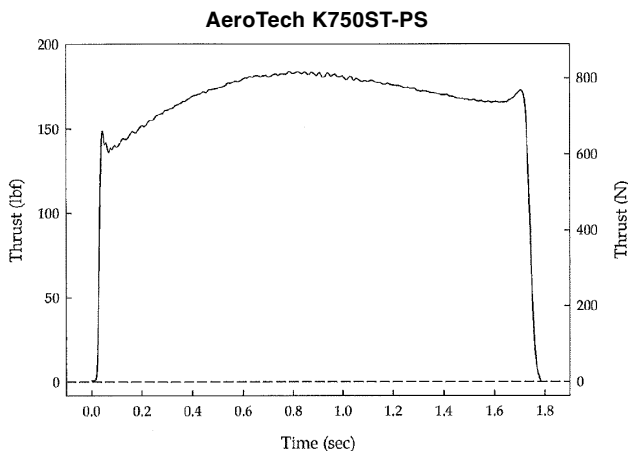
## **Available for Immediate Shipment!**

### **AeroTech RMS™ K750ST-PS Rocket Motor Reload Kit**

### **New Product Information Release 7/11/22**

AeroTech/Quest is pleased to announce the Tripoli certification and immediate availability of our new RMS Reloadable Motor System™ K750ST-PS rocket motor reload kit, AeroTech's 2nd rocket motor reload kit designed to use the single-grain RMS-75/1280 hardware.

Perfect for heavy rockets launched from small fields, the K750ST-PS delivers 1,298.7 N-Sec (292.0 lb.-Sec.) of total impulse with a 1.74 burn time and an all-up weight in motor hardware of 4.29 lb. (1,945.9 g). It's also a great booster for two-stage rockets, and features AeroTech's aerospace-grade Super Thunder™ (ST) propellant formulation with a burn rate midway between Blue Thunder™ and Warp-9™ propellant types. The K750ST-PS generates a peak thrust of 835.7 N (187.9 lb.) with an average thrust of 746.6 N (167.9 lb.). Super Thunder propellant displays a bright blue flame with prominent Mach diamonds and little smoke. Although the K750ST-PS produces tracking smoke, it is a "plugged" motor that does not include an ejection charge and requires the utilization of an electronically-activated recovery system.



#### **K750ST-PS Specifications**

- Diameter: 75mm (2.95")
- Length: 266.7mm (10.5")
- Propellant: Super Thunder
- Total Impulse: 1,298.7 N-Sec. (292.4 lb.-Sec.)
- Burn Time: 1.7 Seconds
- Peak Thrust: 835.7 N (187.9 lb.)
- Delay Time: Plugged
- Propellant Weight: 595 g (1.3 lb.)
- Loaded Weight: 1,947.5 g (4.3 lb.)

California State Fire Marshal classification and approval has been granted for the K750ST-PS RMS Reload Kit. It ships with a standard FirstFire Initiator, has a suggested retail price of \$157.99 each and may be purchased by consumers 18 years of age or older with a minimum Level 2 NAR or TRA Certification, or by educational institutions, government agencies and licensed commercial entities.

AeroTech invented the reloadable high-power rocket motor in 1990 and continues to lead the sport rocket industry in single-use and reloadable rocket motor technology. All RMS motor hardware features aircraft-grade machined aluminum casings and forward and aft closures with integral thrust rings. Thrust rings on RMS motors are designed to fit standard motor retainers.

TRA certification documents, RMS motor instructions and assembly drawings for the entire RMS line will be available for download in PDF format from the Resource Library on the AeroTech website at <http://www.aerotech-quest.com>