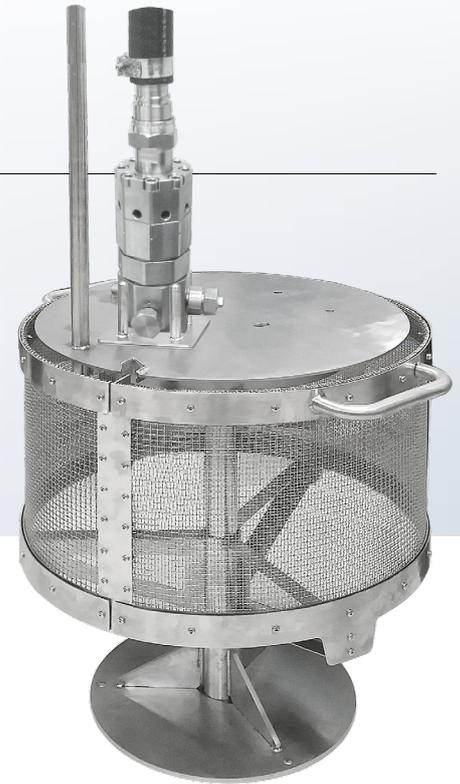


LTRM

LAB-SCALE TESTING ROCKET MOTOR

The Lab-Scale Testing Rocket Motor LTRM™ is used as an auxiliary equipment to the SV-2 (Stojan Vessel®) or as a low-cost solution for the determination of burning rate of solid rocket propellants in sub-scale laboratory conditions. Pressure-time burning profiles can be measured on LTRM using EDA or EDAL high-speed analyzers.

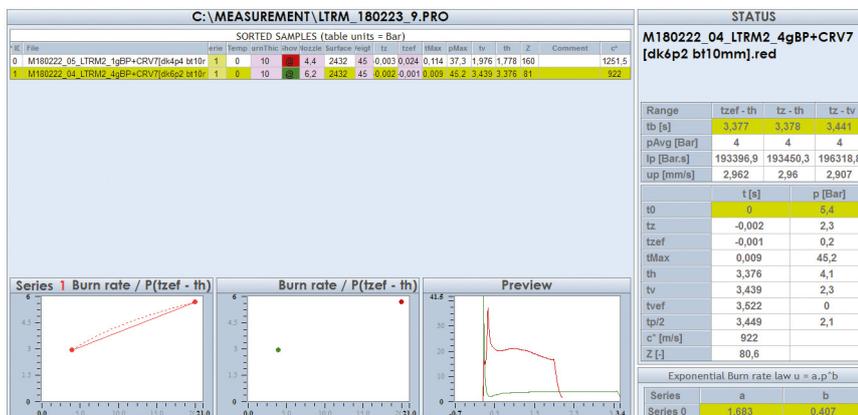
LTRM on a test stand



APPLICATIONS

Combination of LTRM with Stojan Vessel is recommended especially for research and development of new compositions, catalysts and additives or for quality control of manufactured solid rocket propellants and their in-service surveillance.

Testing by LTRM provides more additional information to results obtained by SV-2 or SSB tests (values of maximal and mean pressure, impulse of pressure, burning time, burning rate of solid rocket propellant, characteristic velocity, temperature sensitivity coefficient, etc.). These results are close to the full-scale rocket motor in a cost effective way.



ABSW software screenshot



LTRM detail

ADVANTAGES & FEATURES

- ▶ Only pressure measurement - No thrust!
- ▶ Working pressure up to 500 bar
- ▶ High level of safety with two overpressure protections
- ▶ Simple operation
- ▶ Beneficially combined with Stojan Vessel SV-2 or EDA analyzer
- ▶ Stainless steel stand with a basket for catching small burning particles
- ▶ Testing motor and the ABSW™ software for evaluation included

COMPLIANCE

- STANAG 4672
- STANAG 4673



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