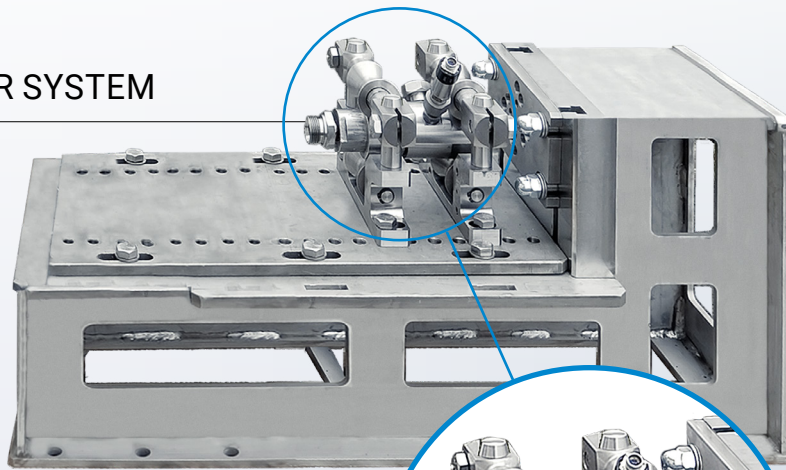


TRM 50

SUB-SCALE TESTING ROCKET MOTOR SYSTEM

Sub-scale testing rocket motor TRM50™ is a measurement system designed for determination of pressure and thrust profiles and evaluation of combustion parameters of solid rocket propellants.

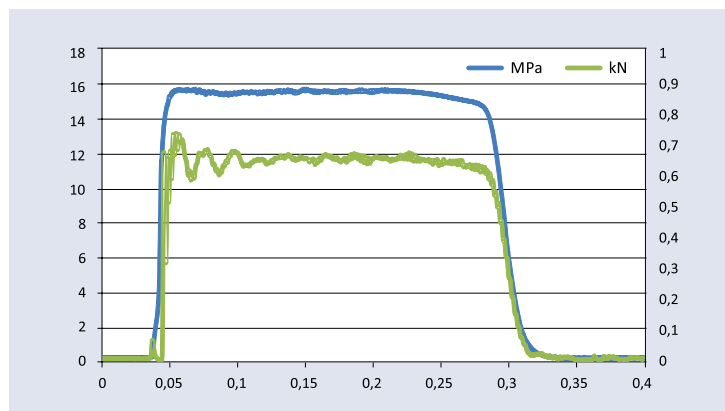


Sub-scale rocket motor is included

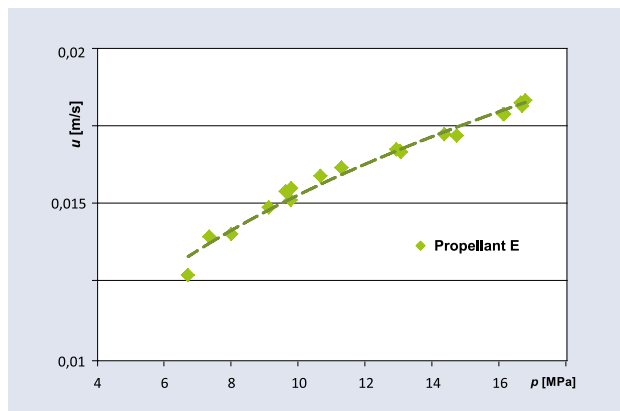
APPLICATIONS

The sub-scale testing is usually used in the final stages of research and development of the rocket propellants, providing results close to the full-scale rocket motor in a cost effective way.

Compared to LTRM, the sub-scale testing rocket motor TRM 50 provides more complex results of ballistic experiments (maximum and mean pressure, pressure impulse, burning time, burning rate, specific impulse or temperature sensitivity coefficient) using variable chamber lengths and nozzle shapes.



Example of pressure and thrust profiles measured in the Testing Rocket Motor



Burning rate vs. pressure dependence evaluated from the Testing Rocket Motor measurements

ADVANTAGES & FEATURES

- ▶ Combined pressure and thrust measurement
- ▶ Precise measurement and control unit with electric ignition
- ▶ Working pressure up to 500 bar
- ▶ Simple operation
- ▶ Set of testing motors and ABSW™ evaluation software included

COMPLIANCE

- STANAG 4672
- STANAG 4673



Measurement and control unit with PC



OZM Research s.r.o.
Bliznovice 32, 538 62 Hrochuv Týnec
CZECH REPUBLIC / European Union
Tel.: +420 469 692 341
Mobile: +420 608 742 777
E-mail: ozm@ozm.cz
www.ozm.cz