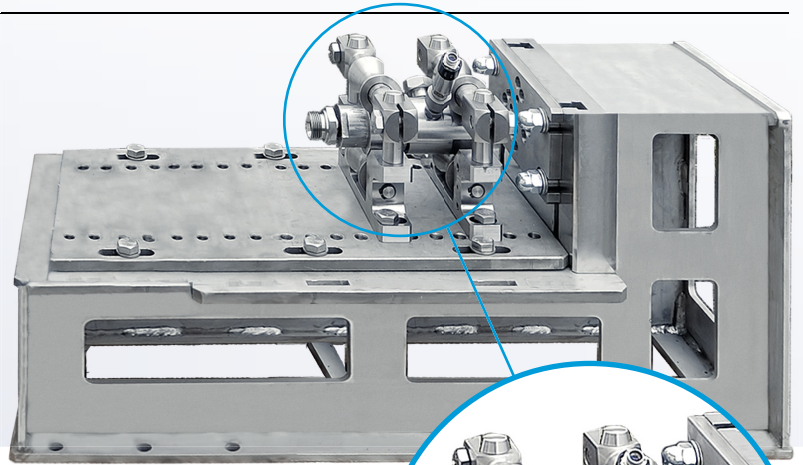


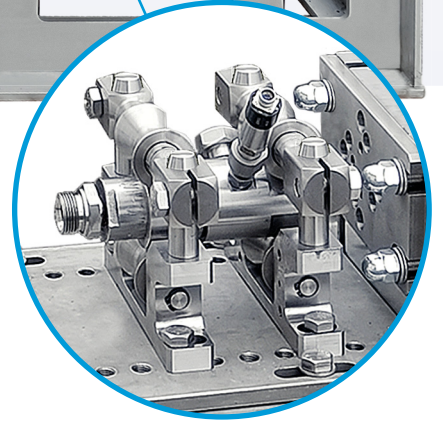
# TRM 50

## SUB-SCALE TESTING ROCKET MOTOR SYSTEM

Sub-scale testing rocket motor TRM 50™ 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.

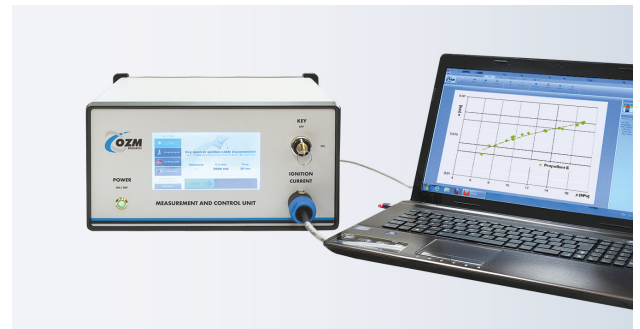
The sub-scale testing rocket motor TRM 50 provides more complex results of ballistic experiments (maximum and mean pressure, pressure impulse, burning time, burning rate, specific impulse or temperature sensitivity coefficient) using variable chamber lengths and nozzle shapes.

### ADVANTAGES & FEATURES

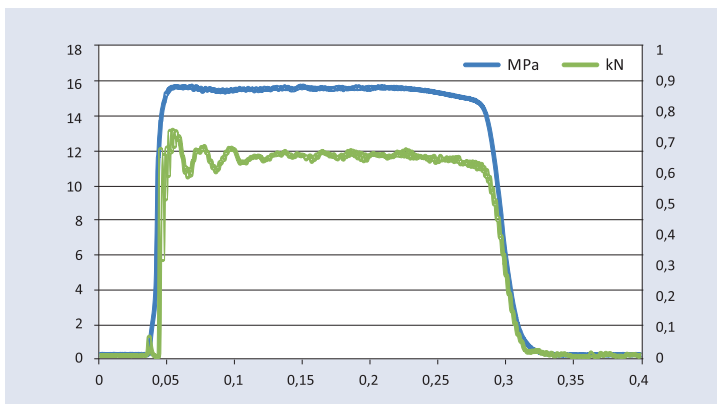
- ▶ Combined pressure and thrust measurement
- ▶ Precise measurement and control unit with electric ignition
- ▶ Working pressure up to 50 MPa, inner diameter 50 mm and length from 75 mm to 500 mm
- ▶ Simple operation
- ▶ Set of testing motors and ABSW™ evaluation software included

### COMPLIANCE

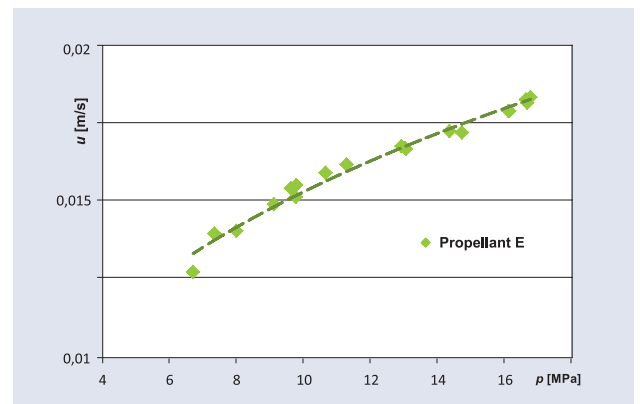
- STANAG 4672
- STANAG 4673



Measurement and control unit with PC



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



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



**OZM Research s.r.o.**

Bliznovice 32, 538 62 Hrochuv Tynec

CZECH REPUBLIC / European Union

Mobile: +420 778 456 409

E-mail: [ozm@ozm.cz](mailto:ozm@ozm.cz)

[www.ozm.cz](http://www.ozm.cz)