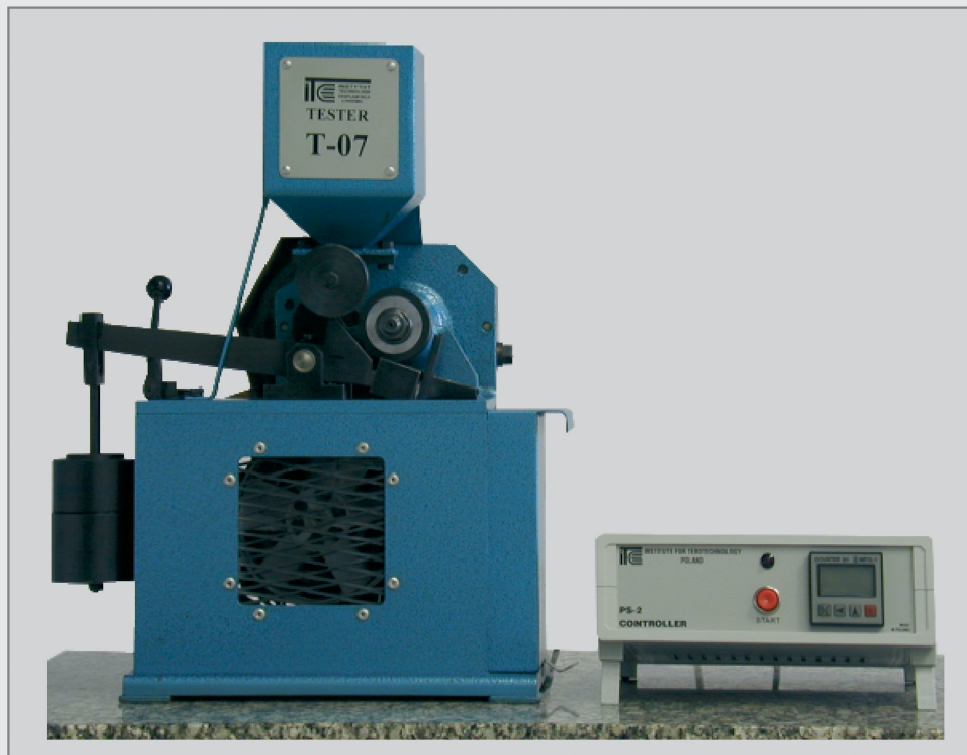
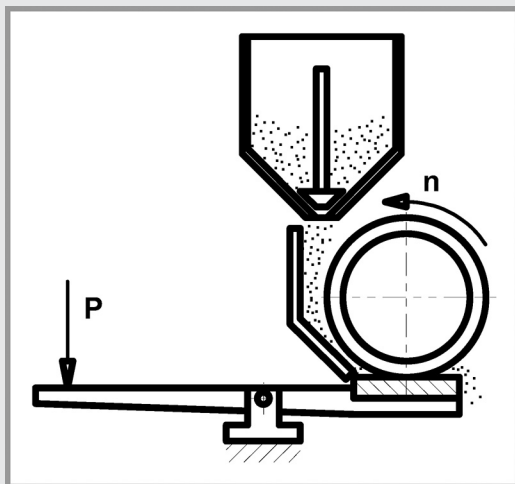


# T-07 DRY SAND ABRASIVE TESTING MACHINE FOR EVALUATION OF THE RESISTANCE OF ENGINEERING MATERIALS TO ABRASIVE WEAR



## MAIN CHARACTERISTICS

T-07 Dry Sand Abrasive Testing Machine is intended for determining - according to the **GOST 23.208-79** standard - the resistance of engineering materials to scratching abrasion during friction in the presence of a dry abrasive.



The test involves the abrading of the test specimen (plate), made of the tested material, with an abrasive that is introduced between the plate and the rotating wheel having a rubber rim. The plate is pressed at a specified force against the wheel rotating at a defined speed  $n$ . Before and after the run, the plate is weighed and then its mass loss is calculated. The result is related to the one obtained for the reference material.

Prior to the run, the plate is run in at the required load. T-07 Dry Sand Abrasive Testing Machine is equipped with the controller shutting off the motor of the tribotester after the preset sliding distance (number of wheel revolutions) is reached.

## TECHNICAL SPECIFICATIONS

• Type of movement	sliding
• Nominal rubber rim diameter	50 mm
• Nominal test plate dimensions	30 x 30 mm
• Rotating speed	60 rpm
• Run-in normal load	22 N
• Test normal load	44 N
• Run duration	10 to 60 minutes (600 to 3600 rev.), depending on test material hardness
• Abrasive	alumina
• Tribotester dimensions (W x H x D)	360 x 440 x 250 mm
• Tribotester weight	25 kg
• Power supply	230 V / 50 Hz (optionally 110V / 60 Hz)
• Max. power consumption	0.2 kW

