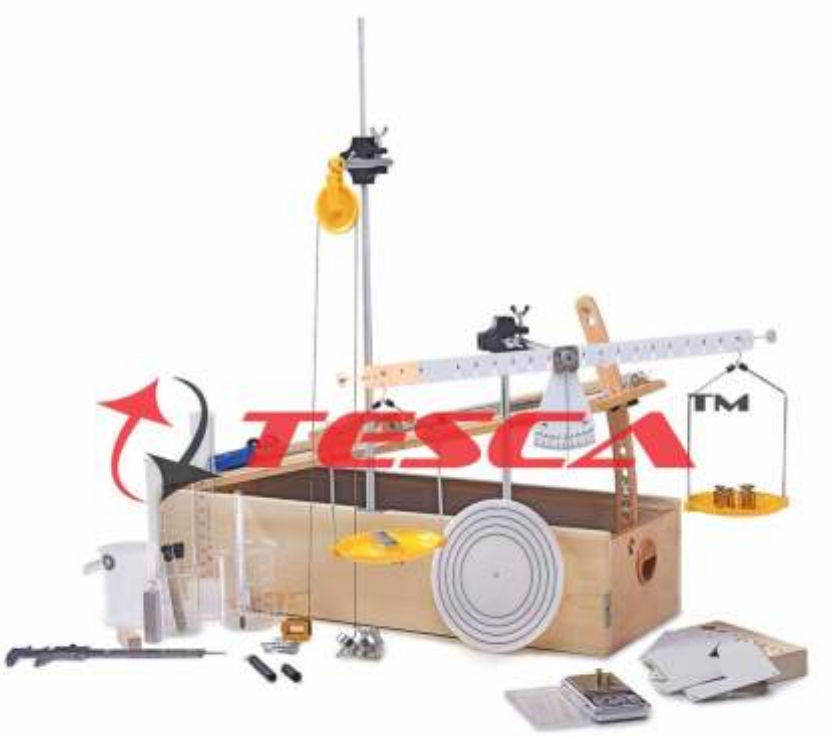

SPECIFICATIONS

The laboratory set "Mechanics" is intended for use in general and secondary schools by teachers and students in course of performing frontal laboratory works and works of mechanics in physics workshop, in accordance to current training programs in laboratories and physics offices. Allows introducing students to the methods of the simplest direct measurements of linear dimensions, volume, mass, force, temperature and time intervals. This set is used in the following laboratory work:

01. Introducing with measuring instruments. Determination of the value of device scale interval
02. Measurement of the volume of solids, liquids, gases and bulk materials
03. Measuring of small bodies size in different ways
04. Measurement of time)clock, stopwatch, metronome(
05. Measurement of average body speed
06. Measurement of the object's average speed
07. Determination of acceleration of the object during equilibrium motion
08. Investigation of object movement on a circle
09. Measuring acceleration of free fall
10. Determination of the period of object rotation
11. Measurement of mass of object by weighing method
12. Determination of density of matter)solids and liquids(
13. Determination of density of the object by hydrostatic method
14. Clarification conditions of navigation of the object
15. Force measurement
16. Measuring the rigidity of an elastic object
17. Investigation of the object's elastic properties
18. Construction of dynamometer
19. Determination the coefficient of slip friction
20. Determination of the object's braking distance and the coefficient of slip friction
21. Study of the condition of equilibrium of the level
22. Determination of the center of gravity of flat plates
23. Investigation the movement of the object thrown horizontally
24. Study of the law of conservation of mechanical energy
25. Definition of the efficiency of the inclined plane
26. Investigation of fluctuations of filament pendulum
27. Investigation vibrations of the object on the spring
28. Investigation of diffusion phenomena in liquids and gases

Note: Specifications are subject to change.

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FEATURES

- calipers 1 pc
- Dynamometer 1 pc
- Drain pan 1 pc
- Kit of heavy loads (3 pc) 1 pc
- Kit of heavy loads with hooks 3 pc
- Blocks (block with axis of block) 1 pc
- Spring 2 pc
- Objects of equal volume 3 pc
- Graduated glass 100 ml 1 pc
- Measuring cylinder 1 pc
- Collapsible scales 1 pc
- Mounting devices 1 pc
- Axis of beam balance 1 pc
- Clamping nut for scales 1 pc
- Lock-nut for scales 2 pc
- Adjusting nut for scales 2 pc
- Scalepan arc 2 pc
- Lever 1 pc
- Rod 600 mm 1 pc
- Arrow 1 pc
- Double slider coupling 2 pc
- Scalepan 2 pc
- Cap screw 3 pc
- Stopwatch 1 pc
- Metal ball (steel) 1 pc
- Nylon cord 5 meters
- Electronic balance (maximum value not less than 0.2 kg, accuracy of 0.1 g, balance platform not less than 80 mm) 1 pc
- Box for transportation and storage with cradle 1.

OPTIONAL EQUIPMENT

- Treadmill (chute) 1 pc
- Arc protractor 1 pc
- Disc to study the rotational motion 1 pc
- Rod 250 mm 1 pc
- Thermometer 1 pc
- Items of irregular shape 3 pc
- Rod 240 mm 1 pc
- Measuring cylinder 100 ml 1 pc
- Graduated glass 250 ml 1 pc
- Fixer 1 pc
- A wooden bar with a rubber pad of three holes for heavy loads 1 pc
- Flask with stopper 1pc
- Flask with stopper and sand 1 pc
- Scale for weights 1 pc
- Blocks (block with axis of block) 1 pc
- Metal ball (aluminum) 1 pc
- Lever 1 pc.

Note: Specifications are subject to change.

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