1. Optika Electrical Rotating Platform

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Optika rotating platform allows students not only to verify the relations between the fundamental quantities which characterise rotational motion, but also to perform experiments on an important topic: inertial and non-inertial systems. Includes string, ruler, wooden sphere with hole, wooden sphere with hook and chuck.

In this way students are allowed to understand which is the origin and which are the results of fictitious forces as the centrifugal force and Coriolis force.

Experiments include:

- Centripetal force
- Lack of centripetal force: what happens?
- Centrifugal forces in equilibrium
- How to use centrifugal force to separate a mixture
- How to use centrifugal force to dry linen
- Centrifugal force and Earth shape
- Watt's regulator
- White light: Newton's disk
- Conical pendulum
- Properties of conical pendulum
- How to verify centripetal and centrifugal forces formula
- Another fictitious force: Coriolis force
- Coriolis force acting on a water jet
- Coriolis force acting on a pendulum
- Observer in a non-inertial system
- When Coriolis force is zero
- Foucault's pendulum

Code	Pack	Price
EDU2126	Each	**£785.28**

2. Lascells Gyroscope Wheel

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A question every Physics student should know the answer to, is 'why does a bicycle wheel stay upright when in motion?' Explain this, and more with the Lascells gyroscope wheel. Get the wheel spinning at high speed using the superior length pull cord to demonstrate torque, gyroscopic precession, and angular momentum. With two options for the radial placement of masses, the effect of mass distance from rotation axis can be examined. Mass can also be increased using the additional mass set. Add the rotary table to perform the classic and unforgettable conservation of angular momentum demo, and revolutionise the way you teach rotational mechanics.

- 4m long pull cord
- Included bungee cord for axial suspension
- Label for video analysis timing
- Change distance of masses from rotation axis
- Assembled; size: 590 x 590 x 290mm & weight: 2.5kg

Code	Pack	Price
PY4024	Each	**£94.49**