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## 1. Bourdon Gauge

This product is for both general and laboratory use. The gauge of rugged design is mounted on a heavy metal base giving great stability. The read-out is by a substantial black needle on a 100mm diameter white face. The back of the gauge is enclosed by clear Perspex, allowing the mechanism to be viewed. The input metal tube is rifled and designed to fit rubber tubing of 8mm internal diameter.

Calibration: scales are given on the white face in both kg/cm<sup>2</sup> (black) and psi (red). Conversion to SI units (pascals) can be obtained with sufficient accuracy by multiplying the kg/cm<sup>2</sup> readings by 105.

Note: the gauge is for positive pressures only (i.e. those in excess of atmospheric pressure). Connection to a source of negative pressure (e.g. vacuum pump) could result in damage to the apparatus.

Code	Pack	Price
BC-2004	Each	£76.41

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NEW



## 2. Hero's Engine

A functional glass model of the earliest form of steam turbine. Comprising a borosilicate glass bulb 70mm diameter approx., with side arms bent at right angles and formed into jets at their tips.

**This is for demonstration purpose only and must be used behind two safety screens, one to protect the students and one to protect the teacher, safety goggles must also be worn and a relevant risk assessment should be carried out as it normally would with other experiments.**

Code	Pack	Price
PHY1118	Each	£16.00

## 3. Hydraulic Press

Consists of two interconnected cylinders of different diameter based upon two graduated glass syringes of 10mL and 50mL with cross-sectional of 3 to 1. For demonstrating the pressure of fluid and to show how mechanical advantage may be obtained using interconnected cylinders of different diameters. Pistons are provided with loading platform 90mm diameter. Graduated syringe barrels also permit simple Boyle's law experiments to be carried out.

Code	Pack	Price
PY1304	Each	£141.13

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### We asked you to tell us your Tech Tales!

From your most surprising request to what you love most about being a technician...

"I absolutely love my work because of the variety of tasks but my favourite aspect is our Open Morning... it is a lot of work to prepare for and clean up after but it is more than worth it to see young people interested and smiling while visiting our department and we always get great feedback."

– S. Walker