

The Engineering Fundamentals range is designed to enable students to gain an understanding of the fundamentals of engineering by the process of learning via hands-on experimentation.

**MULTIFUNCTIONAL – DEMONSTRATION PLATFORM AND STORAGE UNIT**

**Description**

The workstation can be used as a demonstration platform at the front of the classroom, but also doubles up as a storage unit for the experiment trays and EF-BU Base Units.

Castors are fitted to the Workstation which enable it to be easily moved between locations.

(Trays and base units not included)

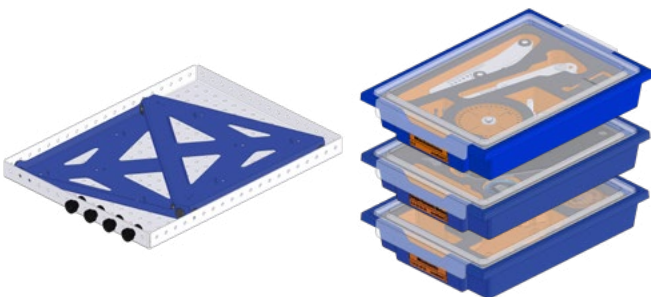
Worktop can be used as a demonstration platform

Experiment trays are clearly marked and designed for ease of use

The Workstation is tough & reliable

Flexible storage for trays & base units (order separately)

Storage for EF-BU Base Units (shown stowed) & experiment trays for all topics



Lockable castors allow safe movement and a steady work space

## Features / benefits

- ▶ Ability to store both the experiment trays and base units
- ▶ The workstation can be configured to store:
  - Up to 12 base units and a maximum of 18 trays (2 base units occupy the space of 1 tray)
  - 12 base units and 12 trays
  - 18 trays if storing no base units
- ▶ Flat top can be used as a demonstration platform
- ▶ Castors allow the workstation and its contents to be easily moved between locations

## Requirements

## Scale



EF-BU



EF-WS scale



Workstation EF-WS  
(Trays and base units sold separately)

## Overall dimensions

### EF-WS Dimensions

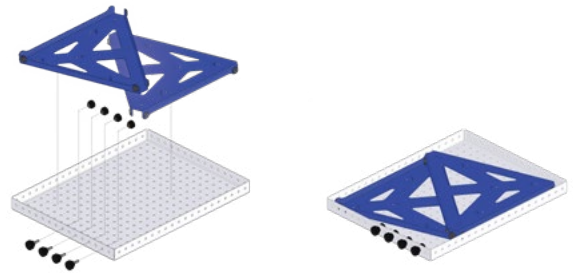
Length	1.15m
Width	0.55m
Height	0.99m

Note: Overall dimensions when assembled

### Packed and crated shipping specifications

Length	1.25m
Width	0.65m
Height	0.30m
Volume	0.25m <sup>3</sup>
Gross weight	40Kg

## Base Unit stowage drawing



## Related products

- ▶ EF-BU Base Unit

### Statics Experiments

- ▶ EF-1.1 Engineering Fundamentals Forces
- ▶ EF-1.2 Engineering Fundamentals Moments
- ▶ EF-1.3 Engineering Fundamentals Beams
- ▶ EF-1.4 Engineering Fundamentals Springs
- ▶ EF-1.5 Engineering Fundamentals Torsion

### Dynamics Experiments

- ▶ EF-2.1 Engineering Fundamentals Friction
- ▶ EF-2.2 Engineering Fundamentals Simple Harmonic Motion
- ▶ EF-2.3 Engineering Fundamentals Rotational Friction
- ▶ EF-2.4 Engineering Fundamentals Potential and Kinetic Energy
- ▶ EF-2.5 Engineering Fundamentals Centrifugal & Centripetal Force

### Mechanisms Experiments

- ▶ EF-3.1 Engineering Fundamentals Cam, Crank and Toggle
- ▶ EF-3.2 Engineering Fundamentals Mechanisms
- ▶ EF-3.3 Engineering Fundamentals Additional Mechanisms
- ▶ EF-3.4 Engineering Fundamentals Bar Linkages

### Kinematics

- ▶ EF- 4.1 Engineering Fundamentals Pulleys
- ▶ EF- 4.2 Engineering Fundamentals Gears
- ▶ EF- 4.3 Engineering Fundamentals Drive Systems

### Options

- ▶ EF-WS Workstation
- ▶ EF1-Spares Spares

## Ordering specification

- ▶ 4 x 250g weights set on hanger
- ▶ 4 x Roller
- ▶ 1 x Magnetic protractor assy
- ▶ 5 x Acrylic / perspex fluorescent lava orange colour (translucent)
- ▶ 3mm Irregular shape (142.5 x 267.7mm)
- ▶ 3mm Triangular shape (149.3 x 288.5mm)
- ▶ 3mm Rectangular shape (140 x 240mm)
- ▶ 3mm Semi-circular shape (140mm with r120)
- ▶ 3mm Parallelogram shape (42.5 x 140 x 77.2mm)
- ▶ Black Rexel magnetic dry erase marker

## Ordering codes

- ▶ EF-WS - Workstation

Please note the workstation is supplied without trays and base units, these can be ordered separately

**Armfield standard warranty applies with this product**

## Knowledge base

- > 28 years expertise in research & development technology
- > 50 years providing engaging engineering teaching equipment

Benefit from our experience, just call or email to discuss your laboratory needs, latest project or application.

An ISO 9001:2015 Company



Products CE certified

**armfield.co.uk**

## Aftercare

Installation  
Commissioning  
Training  
Service and maintenance  
Support: [armfieldassist.com](mailto:armfieldassist.com)