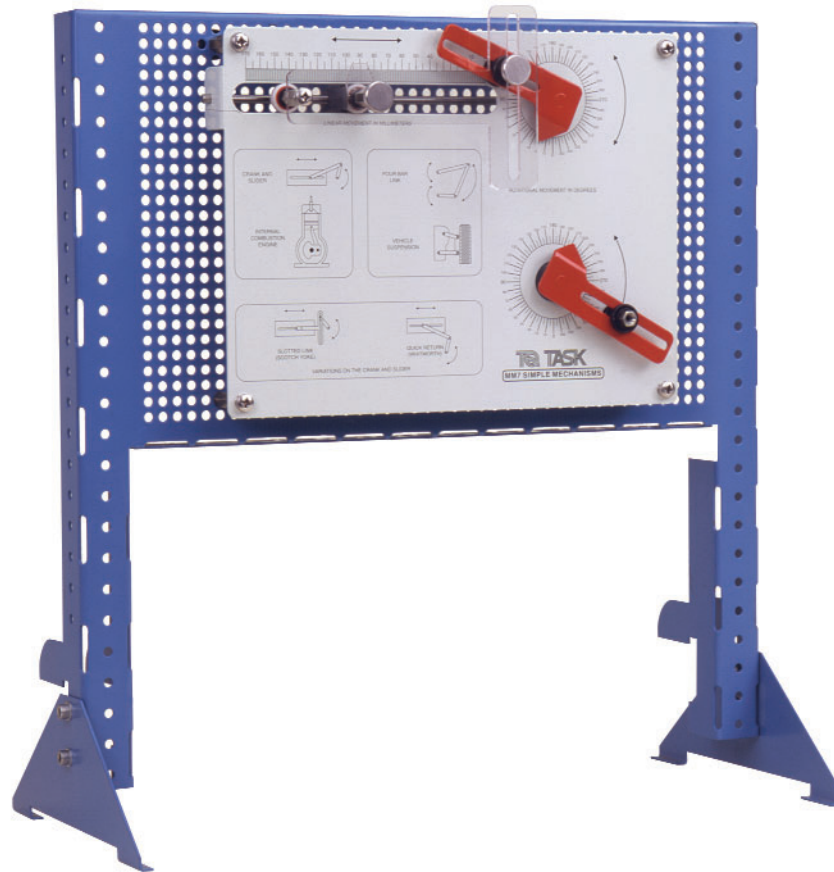


For studies of a crank and slider, a slotted link, a four-bar link and a quick return mechanism

Shown fitted to a TASK frame



- Ideal for classroom demonstrations and for use by small groups of students
- Fits onto one of the optional TASK Frames and shows four different commonly used mechanisms
- Includes a back plate with mimic diagrams to help students understand how the mechanisms work
- Colour-coded parts to help students understand what each part does
- Supports all teaching levels up to and including first year university courses
- Hands-on equipment - easy-to-assemble parts allow students to build the experiments for improved understanding of the experiment

- **TecQuipment** products are designed and manufactured by TQ Education and Training Ltd
- TQ Education and Training Ltd, Bonsall Street, Long Eaton, Nottingham NG10 2AN, UK
- **T** +44 115 972 2611 • **F** +44 115 973 1520 • **E** info@tq.com • **W** www.tq.com
- TQ is an ISO 9001 certified company

Description

Students build a crank and slider, a four-bar link, a slotted link and a quick return mechanisms from a kit.

Students assemble the kit on a mesh frame (frames supplied separately). The kit consists of a printed back-plate with two rotational parts and one linear part. Students build mechanisms by joining the parts using links. They then move mechanism parts in set increments, and note linear and rotational scale readings.

Students work individually or in groups of up to three. The colour of parts indicates their function. For example, yellow parts are mainly stationary or passive, and white parts are instrumentation. Red parts may move or contain energy.

The kit comes with Assembly Instructions. A Teacher Guide provides experiment methods, information, references and tips. A Student Workbook guides students through experiments.

Standard Features

- Supplied with comprehensive User Guides (Assembly Instructions, Student Workbook and Teacher Guide)
- Two-year warranty
- Manufactured in accordance with the latest European Union directives

Essential Ancillaries

- Upright Frame (UF)

Experiments

- Graphical analysis of mechanism angles and displacements

Studies of:

- Crank and slider mechanism
- Four-bar link mechanism
- Slotted link mechanism
- Quick return mechanism

Operating Conditions

Operating environment:
Laboratory environment

Storage temperature range:
−25°C to +55°C (when packed for transport)

Operating temperature range:
+5°C to +40°C

Operating relative humidity range:
80% at temperatures < 31°C decreasing linearly to 50% at 40°C

Specifications

Packed Dimensions and Weight: 0.011 m³ and 0.5 kg

Main Parts:

- Printed scales: rotational components in 5° increments, linear component in 1 mm increment
- Printed back plate, links, connecting rod
- Pointer arm, trammel assembly, locking plate
- All necessary nuts, bolts, washers, spacers and fixings

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