

**KAM-124****Automotive Steering Unit with Suspension & Brakes****Automotive Steering Unit with Suspension & Brakes – Cut Section**

The **Kitek KAM-125** is a fully operational and sectioned **automotive steering and suspension training unit**, designed to demonstrate the complete structure and function of a **front-wheel drive steering system with integrated brakes and suspension**. Featuring an **independent quadrilateral suspension system**, this model includes spring-damper assemblies, steering linkages, and both disc and drum braking systems. The steering mechanism is fully functional, allowing real-time visualization of steering behavior through the spindle and control arms. Mounted on a **wheeled stand**, the trainer is ideal for hands-on instruction and mechanical diagnostics practice.

**Key Components:****• Steering System:**

- Globe-type steering box
- Steering wheel and control linkages
- Spindle connected via steering bar for visible motion
- Fully operational steering movement

**• Suspension Assembly:**

- Independent quadrilateral suspension
- Suspension swing arms
- Shock absorber and spring units
- Body mounts

**• Brake Systems:**

- Mechanically driven disc brake
- Sectioned brake pump connected to drum brake

**• Drive System:**

- Horizontal (transverse) transmission
- Drive shafts for front-wheel drive simulation

**• Sectioned for Education:**

- Carefully cut to expose internal components
- Color-coded painting to distinguish system elements
- Clear visibility of mechanical relationships

**• Mounting:**

- Elegant, heavy-duty wheeled stand for mobility and classroom use

**Educational Benefits:**

- Demonstrates full operation of front-wheel drive steering, braking, and suspension systems
- Enables practical training in:
  1. Inspection and replacement of steering components
  2. Steering rack adjustment
  3. Steering system fluid service (inspection, filling, flushing)
  4. Inspection and replacement of front suspension components
- Ideal for mechanical and automotive engineering courses, vocational labs, and technical training centers

**Technical Specifications:**

- **Dimensions (mm):** 800 (L) × 700 (W) × 1500 (H)
- **Weight:** Approx. 65 kg

