

**❖ Image****❖ Function**

- Describe and simulate the real the automatic transmission on vehicle
- Investigate the operation principle of automatic transmission, the actuators, sensor signal and center processing of the transmission (*ECT*) on the car. Students are directly observed the operation of automatic transmission with different situations and states
- Investigate working modes: P, R, N, D, 2, L by simulating specific situations
- Investigate working modes: OD, Cruise, and PATTERN SELECT DRIVING ...by simulating specific situations
- Investigate relationship between load and speed, brake, the setting state and the modes request of user.
- Identify fault code with MIL Code and EFI SCAN

**❖ Other specifications**

- Voltage: 220VAC/50Hz
- Total weight: about 140 Kg
- Using area: about (1800Hx1000Dx1200W)mm

**❖ Overview**

- AT-Trainer is a product of DTDAuto Technology Team – Institute of Physics, Hanoi, Vietnam.
- Equipment is designed especially for vocational schools where trainees are taught both theory & practice of automatic transmission system.
- It is the modern training equipment providing all basic elements in technique training such as listening, watching, acting by emulating the real system.

**❖ Components**

- AT-Trainer is built with ECU and other parts in Toyota vehicles
- 01 EFI SCAN training software on CDROM
- 01 Movable board
- 01 Fuse
- 06 Gear position lights
- 03 State lights of oil valve
- 01 Engine coolant temperature sensor
- 01 Transmission fluid temperature sensor
- 01 Throttle position sensor
- 01 Brake position sensor
- 01 Cruise control switch
- 01 OD control switch
- 01 Transmission mode selection switch (*DRIVING PATTERN SELECT*)
- 01 RPM display gauge
- 01 vehicle speed display gauge
- 01 Electrical diagram of transmission
- 01 Gear lever
- 01 Transmission
- 01 Power switch
- 01 Variable size
- 01 User Guide

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