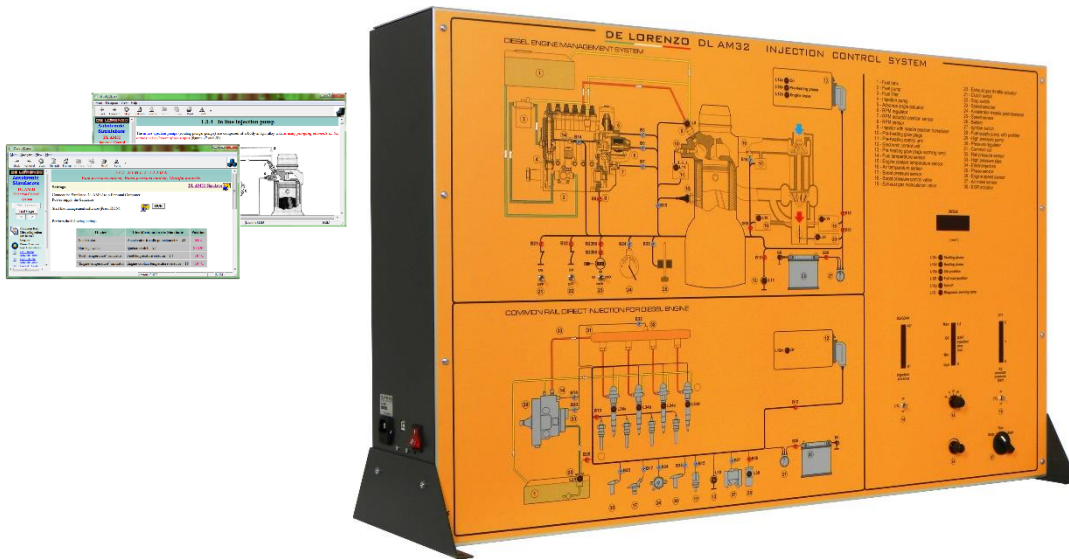




## INJECTION CONTROL SYSTEM



### DL AM32

#### LEARNING EXPERIENCE

This simulation panel has been specially designed and realized to study the control (diesel engine management) and the diesel engines direct injection (common rail direct injections)

In details it reproduces a turbo-diesel injection system with electronically controlled in line injection pump for heavy vehicles (such as lorries, buses, agricultural machines) and a turbo-diesel injection system with electronically controlled common rail for automotive.

#### GENERAL CHARACTERISTICS

- Dim. mm approx (HxLxW) : 700x1000x150 - (470 with the base)
- Weight approx. kg 25
- Input power supply: AC 220V±10% 50 Hz
- Working temperature: -40°C ~ +50°C.

#### MAIN CHARACTERISTICS

The simulator is divided into two sections. The first part covers the Diesel Engine Management topics:

- The characteristics of a Diesel engine
- The Auxiliary systems for the starting
- The measurement of the fuel
- The electronic regulation of the in line injection pump
- Composition and analysis of the exhaust gas

The second part covers Common Rail Direct Injection for Diesel Engine topics:

- The Direct Injection in a Diesel Engine
- Diesel Common Rail and Emissions
- Diesel Common Rail Automobiles

This vertical frame bench-top trainer is specially designed to show to students how automotive systems work. The simulator consists of a panel operated by the support of a computer with a coloured silk-screen diagram that clearly shows the structure of the system and allows the location of the components on it.



**AUTOTRONICS**



The trainer is supplied with a CAI Software and the supported documentation guides the students to the study and the performance of the simulation exercises. All components installed and given leads are made to protect the safety of the students.

**AUTOTRONICS - SIMULATORS**