



ELECTRIC MACHINES – OPENLAB - 0.2 kW



THIS SYSTEM IS A COMPLETE SET OF COMPONENTS AND MODULES SUITABLE FOR ASSEMBLING THE ROTATING ELECTRIC MACHINES, BOTH FOR DIRECT CURRENT AND FOR ALTERNATING CURRENT.

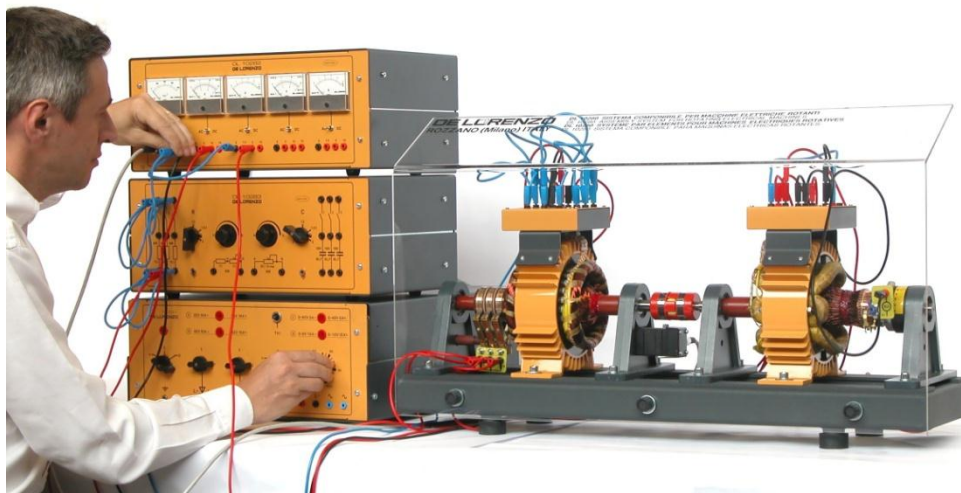
STUDENTS CAN PERFORM A CRITICAL AND WELL ANALYZED ASSEMBLY, IN ORDER TO UNDERSTAND THE PRODUCTION TECHNIQUES BEFORE PERFORMING PRACTICAL TESTS OF THE OPERATING CHARACTERISTICS. THE SYSTEM IS SUPPLIED AT LOW VOLTAGES IN ORDER TO PREVENT THE RISK OF ACCIDENTS. HOWEVER, THE MACHINES HAVE FULLY INDUSTRIAL FEATURES.

The OPENLAB system, in its basic configuration, is composed of:

- A set of components DL 10280
- A power supply module DL 10281
- A measurement module DL 10282
- A loads and rheostat module DL 10283
- An adapter bracket DL 10284
- A locking and rotating device DL 10285
- A parallel board DL 10310
- A pole changing module DL 10185

and the following options are suggested:

- Electromagnetic brake DL 10300A
- Star/Delta starter DL 10116
- Starting and synchronization DL 10125
- Fault simulators DL 10280FF



APPLICATIONS

- Assembly, operation and tests on electric machines and, in particular:
 - Study of the magnetic field
 - Principles of the electromagnetic induction
 - Separately shunt, series and compound excited dc motors
 - Separately shunt, series and compound excited dc generators
 - Induction motors: three-phase slip ring and squirrel cage, single-phase repulsion and with capacitor
 - Dahlander connection
 - Synchronous three-phase motor, induction regulator and phase shifter, alternator, universal motor