

# Electrician Training Workbench for Electrical Labs

This electrician training workbench is designed for educational purposes in electrical laboratories. It provides a comprehensive platform for students to learn and practice electrical wiring, circuit design, and troubleshooting skills.



## Overview



A comprehensive teaching platform for electrical engineering, featuring modular components and integrated measurement instruments.

## Professional Electrical Training Solution

The AF006E Electrician Training Workbench is a double-sided educational platform designed for simultaneous use by two students in electrical laboratory environments. Constructed with a durable aluminum frame and high-precision CNC-machined stainless steel patch boards, it provides a robust and rust-resistant surface for intensive technical training. This versatile system supports a wide range of curriculum needs, from basic electrical skills to advanced automation circuit demonstrations and technical evaluations.

## Technical Specifications

### Input Power Requirements

- Three-phase five-wire system
- AC 380V  $\pm 10\%$  (50Hz)
- Single-phase AC 220V  $\pm 10\%$  (50Hz)

### DC Power Supply

**30 V**

Max DC Voltage

**3 A**

Max DC Current

### DC Power Features

Piecewise Adjustable, Digital Display, Short Circuit Protection, Soft Recovery, Sound & Light Alarm

## Construction & Design



Close-up of the workstation setup including control panels and wiring areas designed for hands-on student practice.

<b>Frame Material</b>	Industrial aluminum structure with Dutch powder spray finish
<b>Patch Board Specifications</b>	SU304 Stainless steel with 5x10mm square installation holes
<b>Worktop Thickness</b>	25 mm

## Safety & Mobility

### Safety Systems

- Emergency stop button
- Breaker controller
- Safety electrical cables
- Insulated power box with anodic oxidation treatment
- Safety-shuttered sockets

<b>Mobility Features</b>	4 Universal wheels (2 equipped with brakes)
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## Components

### Storage and Hardware

Component	Quantity
Stainless Patch Boards	2 Pieces
Installation Seats & Bolts	600 Pairs
Guide Rail Drawers	2 Units
Push & Plug Cabinet	1 Unit
Aluminum Columns	2 Long, 2 Short

## Applications

### Training Scope

Basic Electrical Skills • Automation Circuits • Technical Evaluations • Circuit Analysis • Industrial Installation