Meet the brand new i Mag™ Master PLUS magnetizer. This is a high energy, high power magnetizer. It is a first-rate efficiency capacitor discharging device, designed for in-situ big assembly magnetization, such as exterior or interior rotors of PM brushless motors (included nowadays highly developing EV IPM), or big magnets volume magnetization and as bulk magnets magnetization. The magnetizer also features several discharging configurations for maximum flexibility, included the energy recovering narrow sine pulse which improves the cycle time up to 50% in most of the cases.

**Energy Recovery**

**Sine Pulse**

**Area Under the Plot**

*Is related to the fixture heat*

**Standard Configuration**

- Castors
- Aluminium Frame Color
- Touch Screen HMI
- Fast Connectors
Max Energy 55 kJ
Voltage range up to 3500 V
Capacitance up to 8800 μF
Voltage resolution 1 V
Maximum current 25 kA
Power supply 380 V AC, 50-60 Hz, 3ph + ground, 32 A cable length 6 m, plug: CEI-EN-60309-1
Input/output interface 24 V DC / RS-232
Remote service (optional) LAN (Ethernet) or Wi-Fi
Dimensions L 1250 x W 750 x H 1350 mm; L 49” x W 30” x H 53”
Colors Aluminum Frame, Anodized Panel
Current peak detector Embedded
HMI Touch screen 5” colors

TECHNICAL SPECS

OUTPUTS - POSSIBLE CONFIGURATIONS

SINGLE Magnetization
Magnetization-Demagnetization (damped oscillating)
Demagnetization (damped oscillating)
Magnetization with automatic polarity inversion

DUAL Magnetization

TRIPLE Magnetization
LABORATORIO ELETTROFISICO

MAGNETIZING SYSTEMS FOR INDUSTRY 4.0 AND MEASURING EQUIPMENT FOR ALL MAGNETIC MATERIALS

Founded in 1959, Laboratorio Elettrofisico is a global company specializing in the engineering, design, and manufacture of the world's most precise magnetizing and magnetic measuring equipment. Headquartered in Milan, LE has laboratories, testing facilities, support staff, and services centers in the United States, India, and China.

We reserve the right to make changes to these specifications without notice. For more details, visit: www.laboratorio.elettrofisico.com