



## All-in-one Magnetizer, Demagnetizer + Treating

The i Mag™ MicroCal Magnetizer is equipped with a touchscreen HMI panel that allows the user to set up the necessary parameters and track the status of a process. With precision control options and high accuracy, i Mag™ MicroCal is a frequent choice for both industrial production and lab research.

### KEY BENEFITS

- All-in-one magnetization and demagnetization, as well as treating
- Ideally suited for mass production and research labs
- Designed to configure with fluxmeters, custom coils, and more
- Wide range of capacitance and voltage, either low voltage/high capacitance (for wider pulse) or high voltage/low capacitance (short pulse width)
- Current peak detector embedded
- Compact size

### FLEXIBLE CONFIGURATIONS

- Ability to measure magnetization and demagnetization by means of fluxmeter or any other RS232 interfaced instrument, such as gaussmeters, dynamometer, etc. with additional working bench

## TECHNICAL SPECS

Voltage range	up to 700 V / 3000 V
Capacitance	up to 8000 $\mu$ F / 600 $\mu$ F
Voltage resolution	1 V
Voltage Accuracy	$\pm$ 0,5%
Rated peak current	30 kA
Power supply	200-230 Vac, 50-60 Hz
Input/output interface	24 VDC /RS232
Remote service (optional)	LAN (Ethernet) or Wi-Fi
Dimensions	L 655 x W 800 x H 450 mm - L 25.8 x W 31.5 x H 17.7 inches
Weight	80 kg - 176 lb
Colors	Natural anodized aluminum frame and panels
Current peak detector	Embedded
Touch screen	5" colors

## OUTPUTS - POSSIBLE CONFIGURATIONS

SINGLE	Magnetization
	Magnetization, Demagnetization (damped oscillating)
	Demagnetization (damped oscillating)

## APPLICATIONS

### PM inductors

BLDC, IPM, Sync. BL, DC, Hybrid, Sync. RM, shaded poles, linear, voice coil, and induction machines

### Sensors

Any shape, single or multiple traces, regular or irregular spaced multi-polar patterns

### Other magnetic devices

Loudspeakers, watches, and single permanent magnets





## LABORATORIO ELETTROFISICO

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MAGNETIZERS



MAGNETIZING STATIONS



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

#### EUROPE | ITALY (HQ)

Via G. Ferrari 14  
Nerviano, MI 20014  
+39 0331 589785

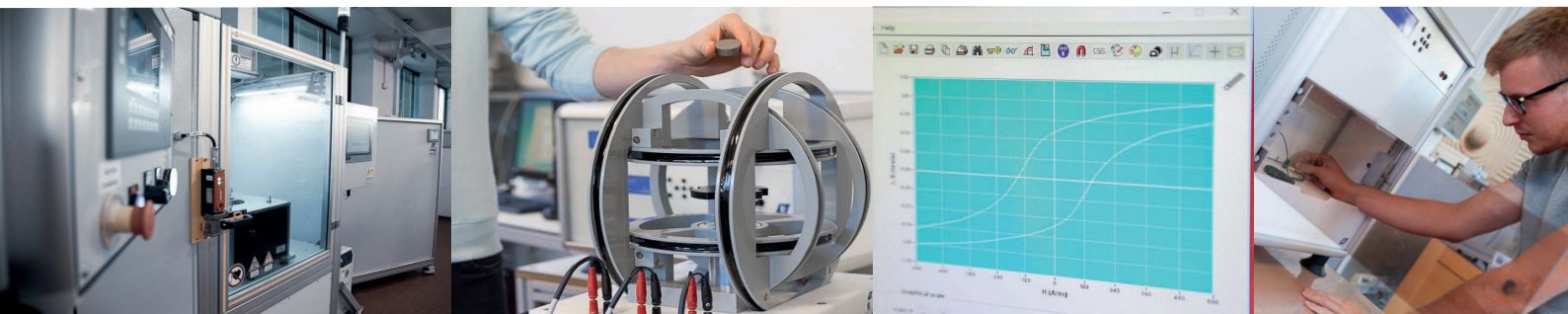
#### USA | MICHIGAN

40 Englewood Drive, Suite H  
Lake Orion, MI 48359  
+1 248 340 7040

#### CHINA | SHANGHAI

389 Zhao Jia Jing Lu, building 4,  
Songjiang Qu, Shanghai Shi, 201613  
+86 21 5401 9806

Contact us: [sales@elettrofisico.com](mailto:sales@elettrofisico.com)



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](http://www.laboratorio.elettrofisico.com)