



Laboratorio Elettrofisico
LE GROUP



MAGNETIZING & MEASURING **INTEGRATED** SYSTEMS

We design custom magnetizing stations, primarily for post-assembly or in-situ magnetization, with a strong focus on ergonomics, seamless integration with customer systems, and a high level of safety.

INTEGRATED SYSTEMS ALL-IN-ONE

Our magnetizing stations can be used as standalone units or integrated into fully automated lines with advanced options.

Our custom-made magnetic solutions have been implemented worldwide in a broad range of applications, from the automotive industry to consumer electronics.

KEY BENEFITS

- Turnkey solutions with integrated magnetizing equipment, handling systems, and various levels of quality control.
- 65 years of experience in the field of magnetism.
- Possibility of stand-alone stations or fully integrated into the production line.
- Suitable for any product, from drive systems (RFM, AFM) to other electric motors, testing each mechanical component of every control (assembly, electrical, GRR repeatability).
- Vision system for automatic rotor indexing.
- Standard Profinet communication.
- Two possible levels of quality control:
 1. Full flux, first level (OK/KO part).
 2. Measurement of magnetic induction (RMS field value, THD, magnetic skew angle, etc.).

1

MEASURING
EQUIPMENT



2

MAGNETIZING
EQUIPMENT



3

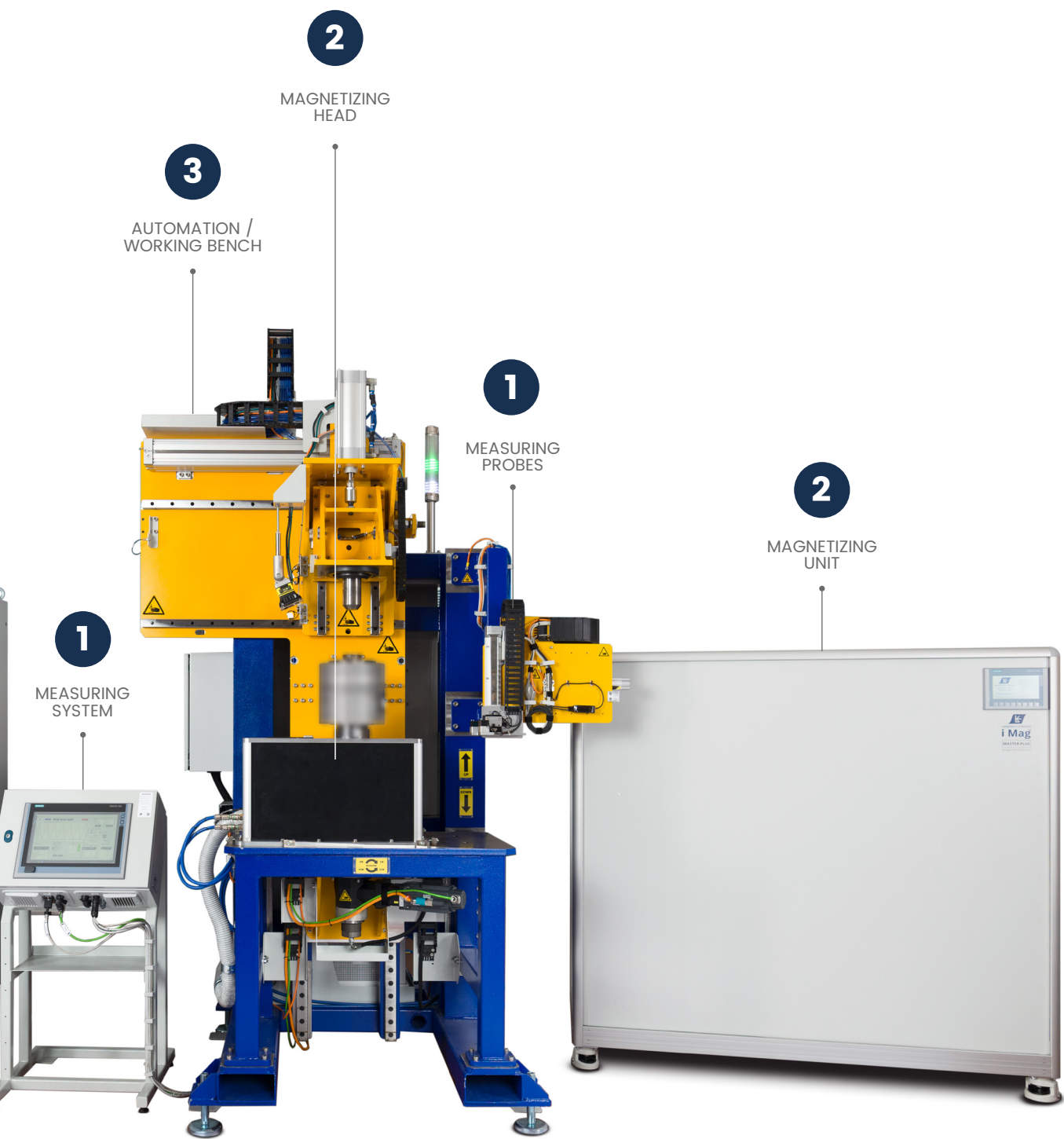
INTEGRATED
SYSTEMS



3

ELECTRICAL
CABINET





Automotive, powertrain

INTEGRATED SYSTEMS

ALL-IN-ONE

FULLY MANUAL

LE manual workstations are designed to deliver reliable, high-quality performance. From simple to complex systems, each workstation provides practical technology to get the job done, while meeting the highest standards and safety requirements for magnetic applications.

STAND ALONE AUTOMATIC CYCLE

Independent semi-automated workstations and systems can be integrated into a production line in various ways. Starting with basic magnetizers and magnetizing fixtures, LE offers unmatched options and flexibility for creating complete automation solutions.

FULLY AUTOMATIC LINE

Get fully automated validation and calibration, all in one, that's just the start. Our entire product line can be flexibly configured into production stations with integrated handling and control tools. Every component is included, from software, cooling systems, and measuring equipment to control sensors and handling systems





Automotive & Aerospace, For Axial Flux Motor



Servomotor



Automotive



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