



STUDY

RESEARCH
PROJECT
INNOVATION

Technology **Lab**

Engineering@ Lab

Technology in motion, **AIR** in evolution.
We study and design the flow of **Innovation**.



● MEASUREMENTS

- AIRFLOW
- POWER CONSUMPTION
- EFFICIENCY
- AERO TRAY
- NOISE EMISSIONS
- WORKING POINT
- THERMAL EXCHANGE
- VIBRATIONS
- IMPACT TEST

● ANALYSIS & DEVELOPMENT

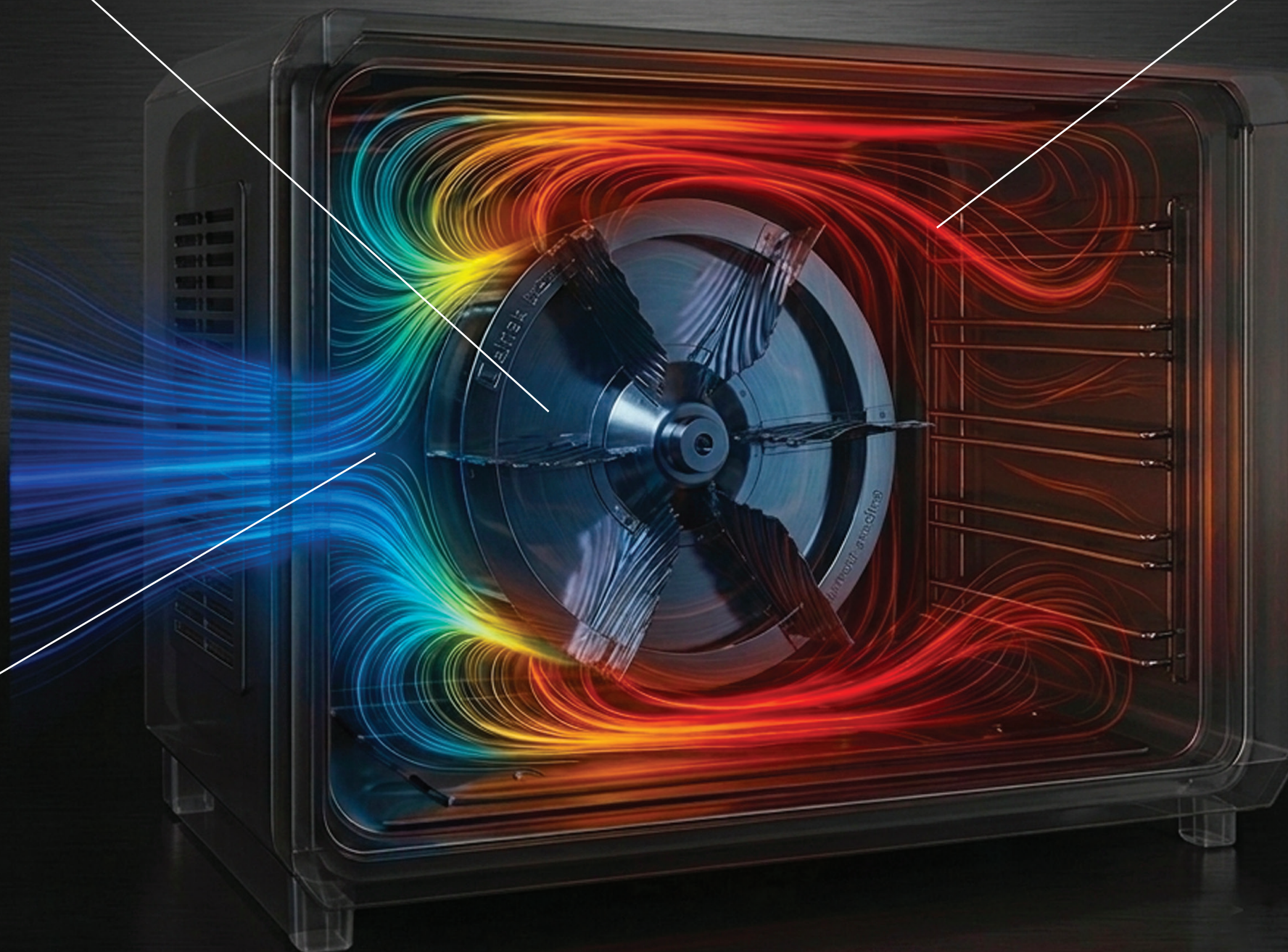
- HEATING ELEMENT POWER EVALUATION
- SUITABLE FAN WHEEL INDIVIDUATION
- MOTOR SHAFT POWER INDIVIDUATION
- OVEN SUCTION&EXIT AREA EVALUATION
- BACK SUCTION EVALUATION

● SIMULATIONS

- FLUID DYNAMIC ANALYSIS
- STRUCTURAL SIMULATION
- **FINITE ELEMENT METHOD** ANALYSIS
- DATA ANALYSIS BY **GEOMAIR**

● TOOLS

- ma.ti.ka. DIGITAL DATABASE
- ma.ti.ka. **GEOMAIR** PROPRIETARY SOFTWARE
- 3D MODELING (SOLID WORKS, SOLID WORKS SIMULATION, SOLID WORKS FLOW SIMULATION)
- TESTING CHAMBER EN UNI ISO 5801
- PITOT TUBES
- ANEMOMETER
- AERO TRAY
- TORQUEMETER
- CURRENT DETECTOR
- N330 EN UNI ISO 20816-1
- FONOMETER
- FARO
- 3D PRINTER



Our **vision**, your **evolution**.



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