integrating
lighting
technologies ®

Company Profile

2025

Since 2007 Universal Science has pursued a precise program and a clear focus on its business and its role in the lighting sector: to offer the customer a cooperation service in development of quality LED systems. Thanks to the experience and know-how of its engineers and specialists, our company guarantees a dedicated support to customers in the design of lighting fixtures and single components of a LED system. We consider every technical aspect regarding the correct use of LEDs: from electronics to thermal management, from optics to mechanics.

We are specialized in development and production of **LED modules**, identified by the RED – Integrating Lighting Technologies brand, which is registered in Europe, guarantee of quality and symbol of the presence of a production site in Italy. This service goes with the distribution of **LED chips, optics, thermal interfaces and LED drivers** thanks to strategic partnerships with the major players of the market.

Dal 2007 Universal Science porta avanti un programma ben preciso e una focalizzazione molto chiara sulla propria attività e il suo ruolo nel mondo dell'illuminazione: collaborare con i propri clienti nello sviluppo di sistemi LED di qualità.

Forte del know-how che affonda le radici nell'esperienza decennale dei propri ingegneri e specialisti, la nostra azienda garantisce ai propri clienti un valido supporto nella progettazione dei corpi illuminanti e dei singoli componenti di un sistema LED. Ci prendiamo cura di ogni aspetto tecnico legato al corretto impiego dei LED: dall'elettronica alla gestione termica, dall'ottica alla meccanica.

*Siamo specializzati nella progettazione e produzione di **moduli LED**, identificati dal brand RED – Integrating Lighting Technologies, registrato in Unione Europea e garanzia di qualità e della presenza di una sede produttiva in Italia. A corredo di questa attività affianchiamo la distribuzione di **LED, ottiche, interfacce termiche e sistemi di alimentazione** grazie alle partnership strategiche con i maggiori player del mercato.*

COMPANY MILESTONES

2007
Vincenzo Reda founds Universal Science in Italy

2012
Purchase of the first SMT machine for prototypes and small series

2015
New offices and production plant in Pregnana Milanese (MI), including the first fully automatic SMT line

2016
The production plant is boosted with a second automatic SMT line

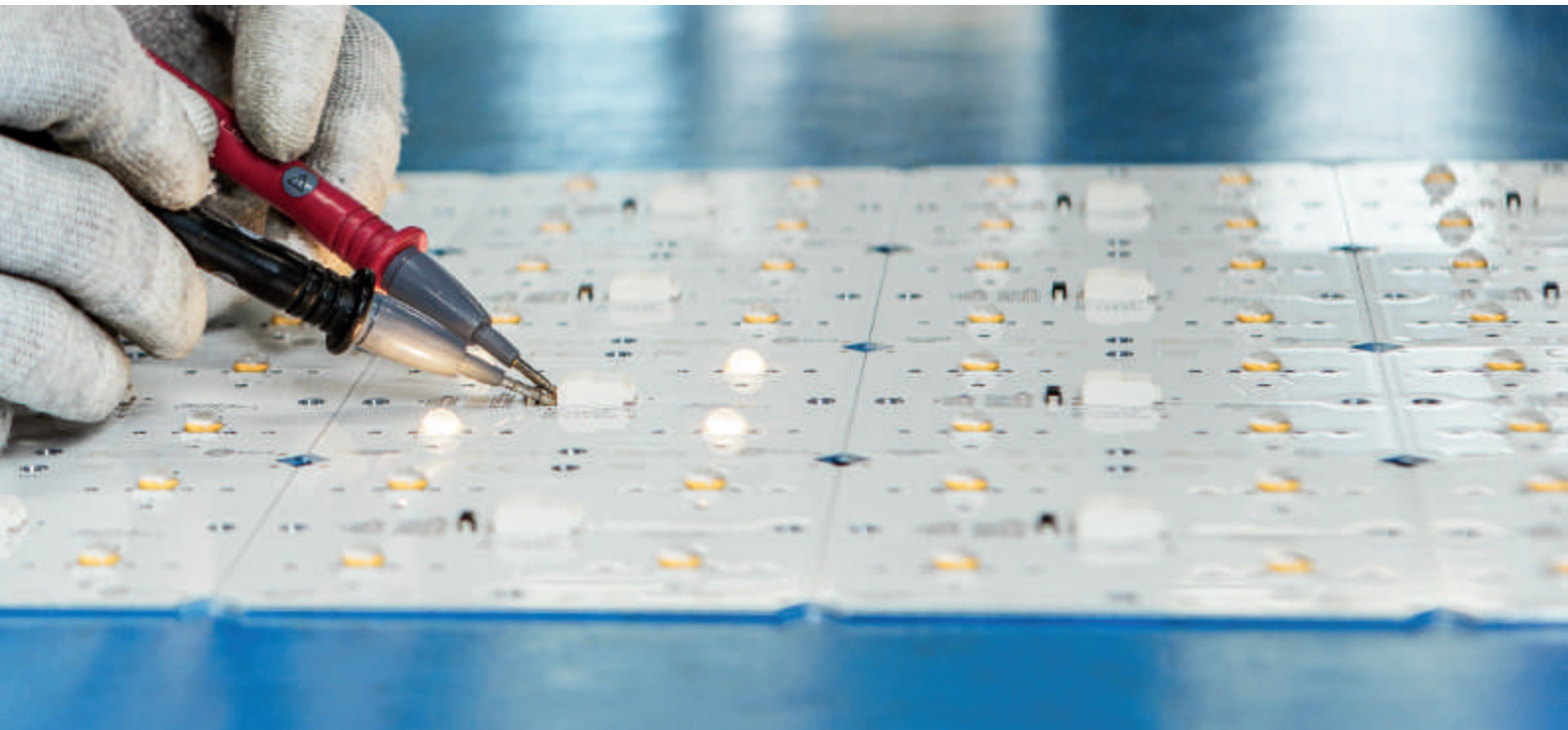
2018
Universal Science creates a new brand: RED - Integrating Lighting Technologies

2019
Improvement of the technical department, both in terms of engineers and software (SolidWorks and Altium)

2021
New inhouse laboratory with innovative instrumentation and specialist equipment (3D printer)

2022
The production plant is boosted with a third automatic SMT line, a new X-ray machine and a new automatic storage system

2024
Strategic agreements with Lumileds, LEDiL and Lifud



OUR NUMBERS

2000+
OFFICES SQ.M.

1500+
LED PROJECTS

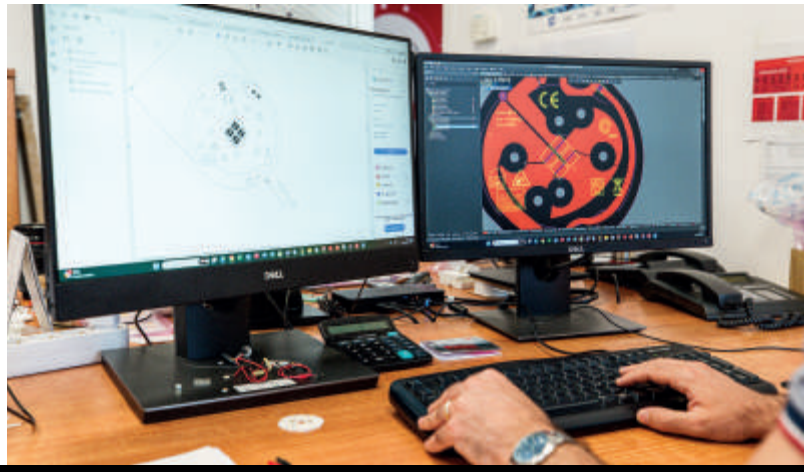
250 MILLIONS+
LEDs MOUNTING CAPABILITY PER YEAR

400+
CUSTOMERS ALL OVER THE WORLD

70+
EMPLOYEES AND SALES PEOPLE

FEATURED SERVICES

- Inhouse LED modules development and production
- Customization and distribution of LED lighting components
- Support in LED fixture design
- Photometric and colorimetric tests
- Thermal design and CFD



ENGINEERING CAPABILITIES

ELECTRONIC DESIGN

OPTICS DESIGN

MECHANICAL DESIGN

THERMAL DESIGN

PRODUCT GROUPS

- LightMAX – High power lighting
- FlatMAX – Low-bay lighting
- LineMAX – Linear lighting
- SpecialRED - UV lighting
- DecoMAX – Decorative lighting
- SpecialRED - Driver modules
- DotMAX – Spot lighting
- SpecialRED - Horticulture lighting

ONLINE CATALOGUE

A quick and easy way to explore RED products from anywhere in the world.

MAIN PARTNERS

LUMILEDS · LEDiL · LiFUD · PPI · uPowerTek · STREAMER LED EMERGENCY DRIVER · DARKOO Optics · LONGJOIN · EDISON · RED integrating lighting technologies BY YINGJIAO ELECTRICAL CO.,LTD. · RISING SUN LED Strip World · Mingfa TECH

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