



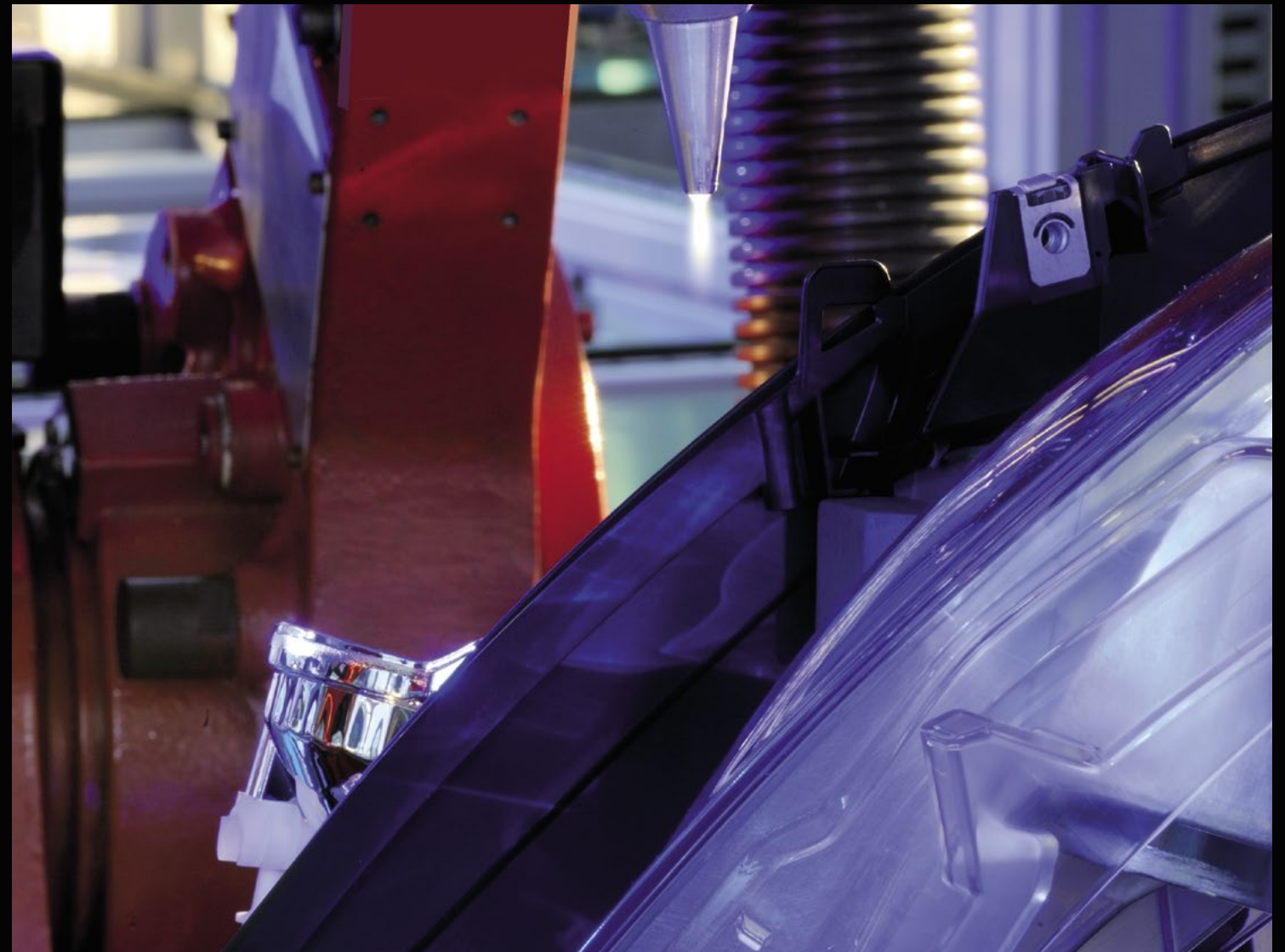
YOUR GLOBAL PARTNER
FOR AUTOMOTIVE LIGHTING

A close-up photograph of a laser cutting process in an industrial setting. A bright blue laser beam is focused on a metal workpiece, creating a small, intense point of light. The surrounding environment is dimly lit, with various mechanical parts and structures visible in the background, some illuminated by ambient light.

Our technology has made history in automotive lighting

It was 1876 when “Fratelli Carello” in Torino manufactured the first acetylene lamps fitted on horse drawn carts long before supplying lighting for cars.

Over time, Marelli first acquired companies such as Carello, Siem, Seima, Yorka, Axo Scintex, and then co-founded **Automotive Lighting** with Bosch. In 2003, it became the sole owner and continued to invest in Research and Development and technological innovation.



1991

The first Xenon headlamp

BMW 7 Series (E32)

A new, high performance source of light with white/blue hues, Electronic Control Unit and headlamp washers are standard



2003

The first AFS headlamp

Adaptive Frontlight System

BMW 3 Series (E46 MÜ)
with dynamic curve light

Using a dedicated control unit, the light beam follows and adapts to steering angle, speed and yaw



Automatic Tourist Adaptation (ATA)



Adverse Weather Light (AWL)



Active Night Vision (ANV)



Country Road Light (CRL)



Dynamic Curve Light (DCL)



Motorway Light (MWL)



Static Bend Light (SBL)

2005

The first rear lamp with LED technology

Volkswagen Passat (B6)

For mass manufactured vehicles
it offers the following functions:

- Rear position light
- Brake light
- Turn indicator

Lower energy consumption
Faster light availability
Eye catching design



2008



reddot design award

The first full LED headlamp

First generation of Audi R8 (42)

White light, similar to sunlight
Lower energy consumption
Eye catching design
Winner of the Red dot Design Award



2013

The first rear light with dynamic turn indicator

Audi R8 FL (42)

Dynamic lighting of the LED turn indicator
Greater sense of direction
The new trend for high and mid-range models





2014

2014

2014

Matrix LED headlight

Audi TT (PQ37)

Using a sophisticated camera located behind the windscreen, a control unit keeps the high beam function constantly active and switches off individual LEDs to avoid blinding other drivers

LED Multibeam headlight

Mercedes-Benz CLS (C218MOPF)

The control unit calculates the light distribution 100 times a second, and the 24 high-performance LEDs in the high beam module are split into 16 independent light beams



reddot design award

The first LED headlight with complementary laser high beam

Audi R8 FL (42)

Using dedicated sensors, a control unit manages an additional laser high beam that can double the reach of the light beam up to 650 m



2015



reddot design award

Audi TT (PQ37)
Red Dot Design Award 2015
"Best of the Best"

2016

Matrix LED headlight
with dynamic turn indicator

Audi A5 (B9)

Evolution of the Matrix LED headlamps
presented in 2014 with two PES lens and
dynamic turn indicator

2017

Multi Pixel Matrix LED headlamp

Mercedes-Benz S Class FL (W222MOPF)

Highest performance, Better communication and
pioneering driver assistance with Multi Pixel Module
made by 84 LEDs



2018

Adaptive all-LED headlamp

DS 7 (X74)

First with mechatronic actuators able to rotate the secondary reflectors, multi-colour chips, 10 lighting functions controlled by 3 level communication networks



2018

all-LED tail lamp

DS 7 (X74)

Extremely attractive and distinctive pattern on tail function with 3D elements with progressive turn indicator



2019

LED headlamp with laser

BMW 3 Series (G20)

Intelligent LED headlamp
with laser high beam
and glare-free technology



2020

Matrix LED headlamp

Audi A4 FL (B9PA)

Adaptive main functions thanks to the matrix
technology with dynamic turn indicator



2021

LED tail lamp

Land Rover Discovery (L462)

All functions made by LEDs
with animated turn indicator



2022

Adaptive LED headlamp

Mini Countryman FL (F60 LCI)

Matrix module for cornering
and glare-free high beam light



The largest range of aftermarket original equipment

Distribution of our Lighting products in the independent aftermarket in figures:



5.100 items

2.600 headlamps

1.700 rear lamp

90 control units

230 turn indicators

180 fog lights

300 small components

Including:

652 items for the US market only

1.080 items for Right Hand Drive markets only



PARTS & SERVICES

YOUR GLOBAL PARTNER
FOR AUTOMOTIVE LIGHTING

www.magnetimarelli-parts-and-services.com