



INNOVATIVE MICRO-OPTIC SOLUTIONS FOR NEXT-GENERATION AUTOMOTIVE LIGHTING AND SENSOR SYSTEMS.

Sinisa Dohnal, Micro Optics at Sony DADC

Micro-optics
SUMMIT & EXPO

Sony DADC - PART OF THE SONY GROUP CORPORATION

SONY

SONY GROUP CORPORATION

Kenichiro Yoshida
CEO



Games & Network Services | Music | Pictures | Entertainment Technology & Services | Imaging & Sensing Solutions | Financial Services | New Initiatives

Sony DADC

Sony DADC GLOBAL

Dietmar Tanzer
President Sony DADC Global





Thalgau, Austria

Headquarters

1983

Established

900

Employees Global

26.4 B

Products in 40Y

170,000

sqm

3

Locations (AT, CZ, US)

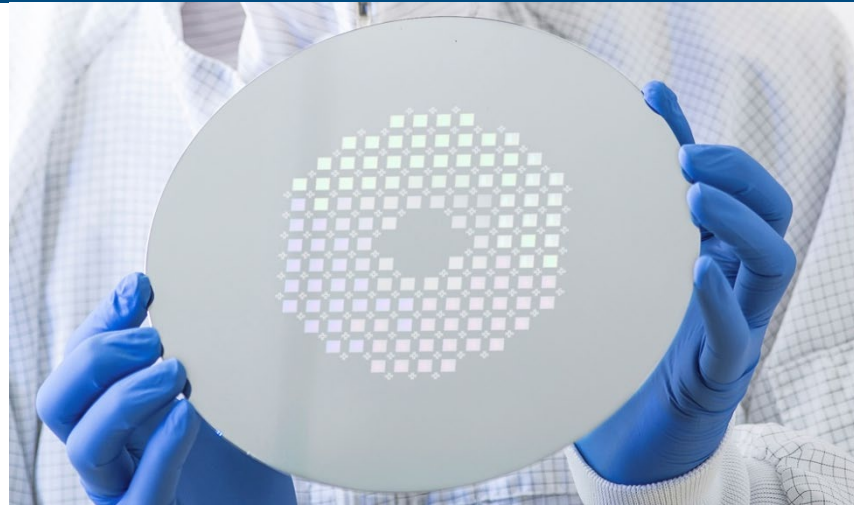
139 M

Products in FY23

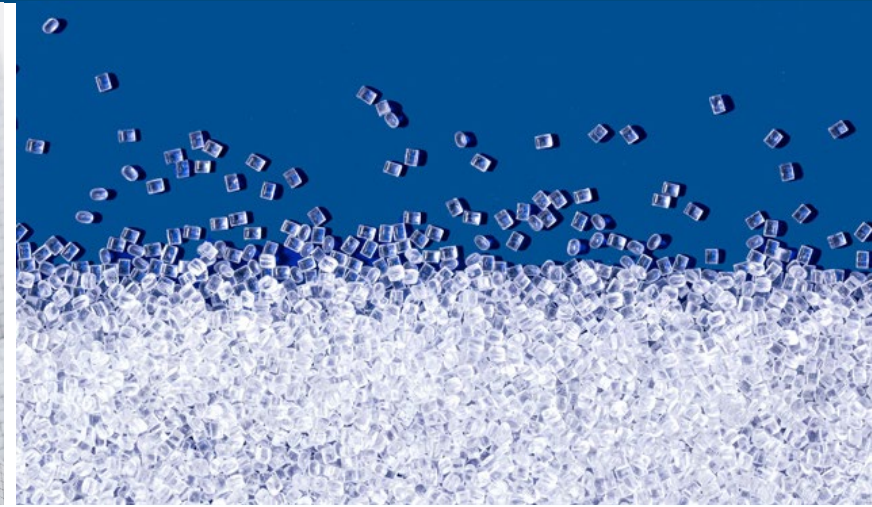
MASS MANUFACTURING OF WAFER-LEVEL MICRO OPTICS ON POLYMER



MANUFACTURING



WAFER



POLYMER

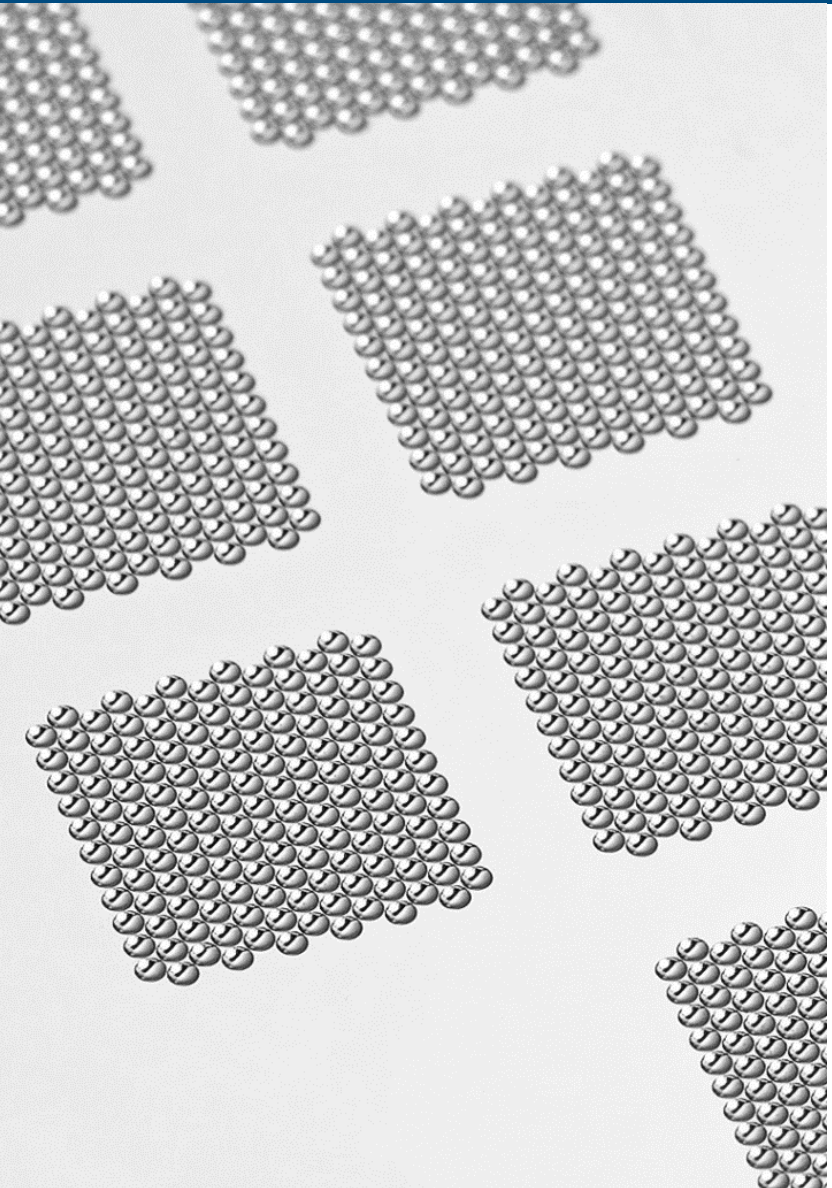
Sony DADC

BRIGHT VISIONS

smart solutions!

Micro Optics

Sony DADC TECHNOLOGIES FOR HIGH VOLUME MANUFACTURING



**OPTICAL
DESIGN**

**MASTERING
NICKEL SHIM**

WAFER REPLICATION

**OPTICAL
METROLOGY**

**HANDLING
PACKAGING**

UNIQUE FABRICATION TECHNOLOGIES

To enhance automotive polymer components

UNIQUE WAFER FABRICATION SOLUTIONS

HIGH PRECISION TOOLS

Injection Molding and Nanoimprint



UNIQUE OPTICAL GRADE POLYMER

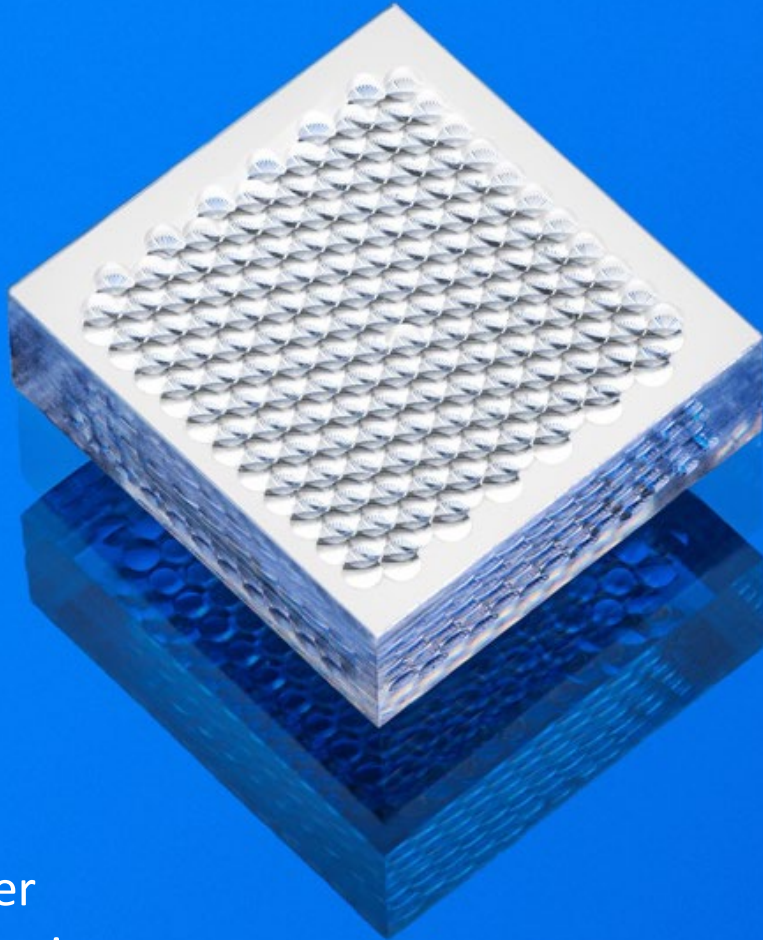
HIGH PRECISION SUBSTRATES

Injection Molding of Polymer Wafers



POLYMER PROPERTIES

OPTICAL | MECHANICAL | RELIABILITY | PROCESSING



#Polymer
#Automotive

- > Cost Efficient
- > Design Flexibility
- > Efficient Production
- > Glass-Like Performance
- > Polymer Durability
- > Optical Stability

POLYMER BASED MLA COMPONENTS

PRECISION POLYMER OPTICS

Enable Next-Generation Optical
Solutions for Automotive Lighting





SONY

Sony DADC Micro Optics

BRIGHT VISIONS

smart solutions!



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Micro Optics

Thank you!