

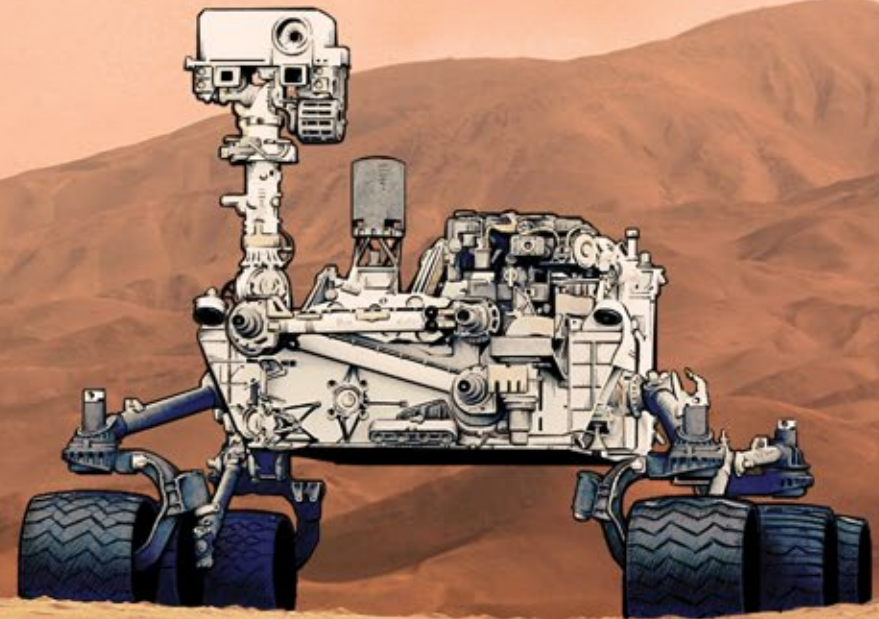


# ADVANCED ENGINEERING

Transforming the science of silicone  
into the **Chemistry of Care™**



# SPACE



## EXTREME ENVIRONMENTS WHERE PURITY IS ESSENTIAL.

The extremes of outer space pose challenges where standard solutions rarely apply. We proudly offer custom products in unique form factors at the lowest volatility levels—and a willingness to innovate where others won't.

In our early days, NuSil supported solar arrays on the space station. Today, we're the leading supplier of

silicones for commercial space exploration. Our unparalleled expertise in ultra low outgassing and customization allow us to meet the needs of an industry with an unforgiving margin of error.

With decades of flight heritage in Geosynchronous Earth Orbit (GEO), Lower Earth Orbit (LEO) and beyond, our space grade silicones are the industry choice.

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### Space Grade

NuSil's silicones are highly purified to perform in the harsh conditions of outer space. We offer the lowest levels of volatility in the industry, making us the world leader in Space Grade silicones.

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# DEFENSE



## FORMULATING MISSION-CRITICAL SOLUTIONS.

For three decades, NuSil has been a one-stop center of excellence, both for creating silicones with incredibly tight specifications and for fabricating components using those materials. Our experience places us on the cutting edge of military technology: with the ability to incorporate

proprietary fillers, color match to federal standards and deliver solutions in innovative form factors. We partner with defense contractors to push the limits of what's possible – while providing discreet customer care.

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**.001** INCHES

*NuSil manufactures finished parts to the one-thousandth of an inch (.025 mm).*

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# COMMERCIAL AVIATION

## EFFICIENCY & SAFETY STANDARDS SHAPED BY THE DEMANDS OF SPACE.

We leverage years of experience in optoelectronics and aerospace to provide the commercial aircraft industry with innovative technologies, both inside the cockpit (digital avionics displays) and out (fabricated parts, ice release

as well as other paints and coatings). Our solutions are created to meet demands for fuel efficiencies while considering ever-present safety concerns.

### NuSil Quality System (NQS™)

Developed in direct response to our work in the most challenging environments, NQS is a systematic approach to achieving consistent quality that goes far beyond what you'd expect.

# OPTOELECTRONICS



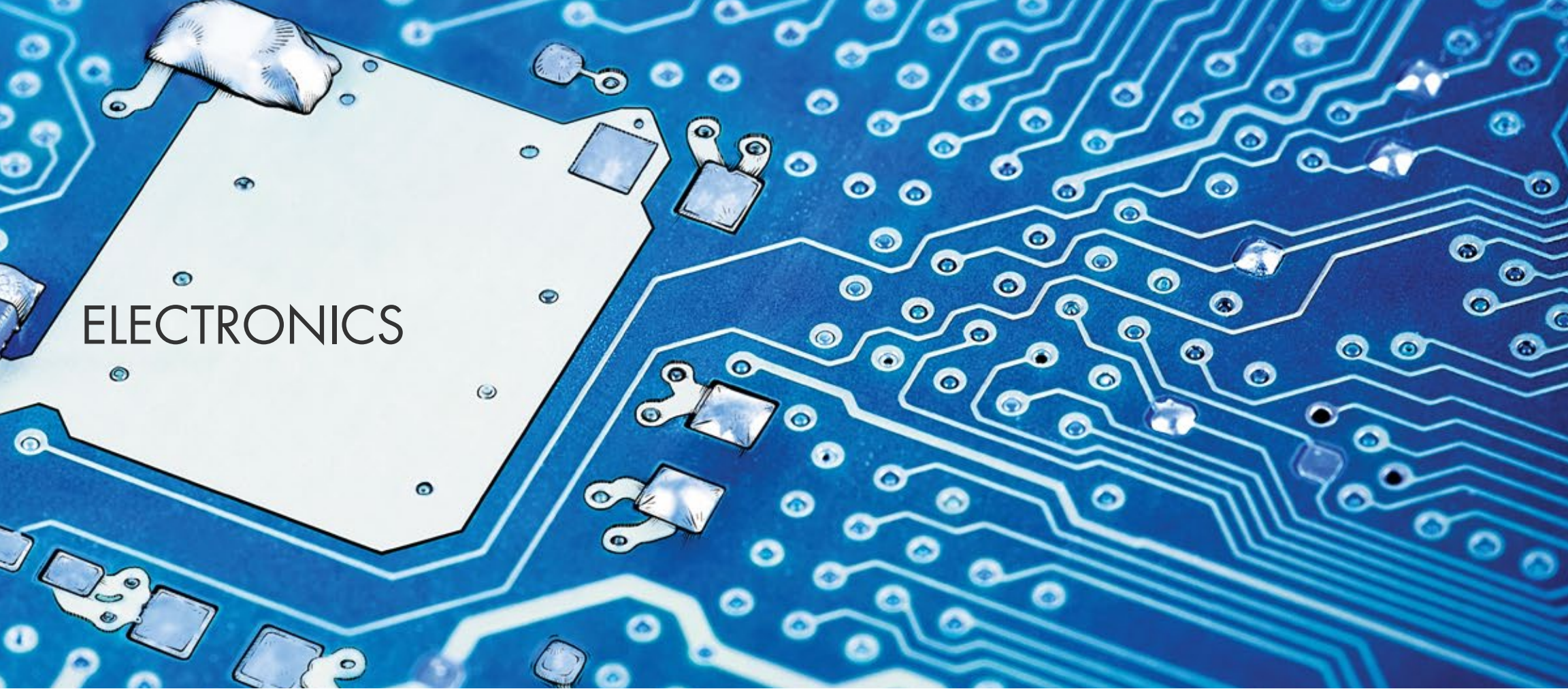
## A PIONEERING TRADITION IN LED.

NuSil, one of the original pioneers in silicones for LED, brings space & medical standards to optoelectronics. From our proprietary high refractive index technology to low refractive index silicones, we offer a wide range of optically clear and high temperature resistant products.

We've been a credible supplier to the optoelectronics industry for over three decades. Our silicones are ideal for the growing size of digital displays, increasing heat concerns and the constant need for the purest materials — and we offer fast, economically scalable options that ensure speed to market.

**1.38–1.54** REFRACTIVE INDEX-MATCHING

*NuSil offers the widest range of refractive index-matching in the silicone industry.*



# ELECTRONICS

## PROTECTION UNDER PRESSURE.

Today's quickly minimizing electronics continue to face heat concerns. NuSil provides off-the-shelf high-purity silicone polymers and essential building blocks to help our industry-leading partners address these unique needs.

When the standard off-the-shelf solutions don't work, we formulate custom solutions that fit customers' processes instead of forcing customers to rethink their processes to fit our products.

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### Purity

NuSil incorporates controls to remove impurities at every step of the manufacturing process. We carefully select our raw materials and our proprietary purification technology produces the most refined intermediates and the purest silicones with the lowest volatility levels in the industry.

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High-risk industries demand a higher level of care. Over decades, we've refined our support systems to meet the high-touch needs of our customers. We call this premium level of customer support *NuSil Care*, and it's our standard across all industries.

This face-to-face service model delivers support throughout the entire commercialization process, from product design to launch. And our global regulatory expertise and relationships with international agencies (including DoD, NASA and ESA) are seamlessly integrated to ensure that you are in compliance.

Our customer care practices have led to numerous supplier awards and—more importantly—the trust and distinction of being the premiere choice of the world's leading healthcare companies.

For more information, please visit our website at

[www.nusil.com](http://www.nusil.com)

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THE CHEMISTRY  
OF CARE

## FROM THE MARS ROVER TO THE PALM OF YOUR HAND.

NuSil Technology, the global leader in space-grade silicones, brings over 30 years of success developing products for the most extreme environments, from deep inside the human body to the harsh conditions of outer space.

Supported by our high-touch approach to customer care, our best-in-class product lines are the choice across the aerospace, defense, optoelectronics and general electronics industries.

Let us show you how we're transforming the science of silicone into the **Chemistry of Care™**.

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