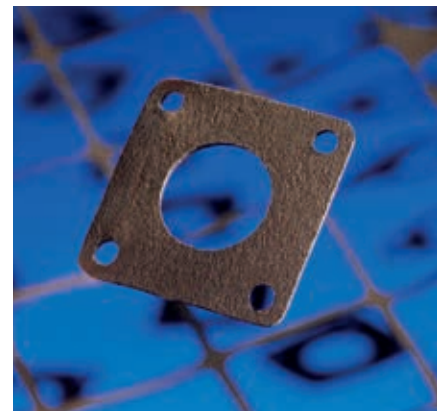
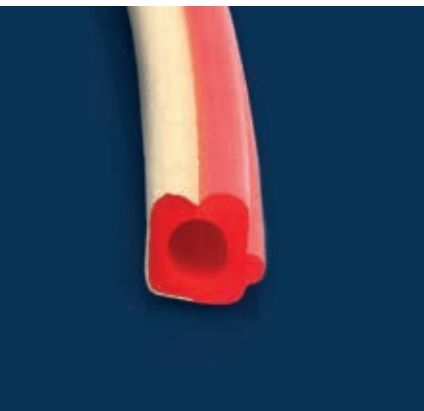
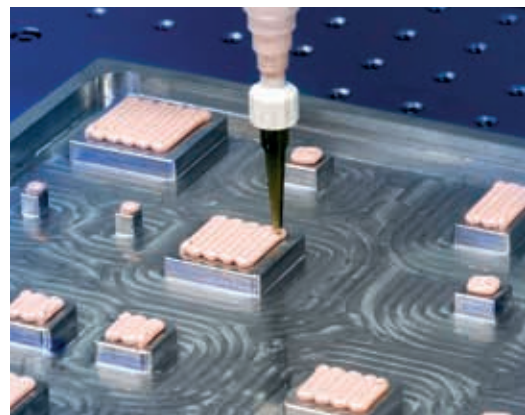
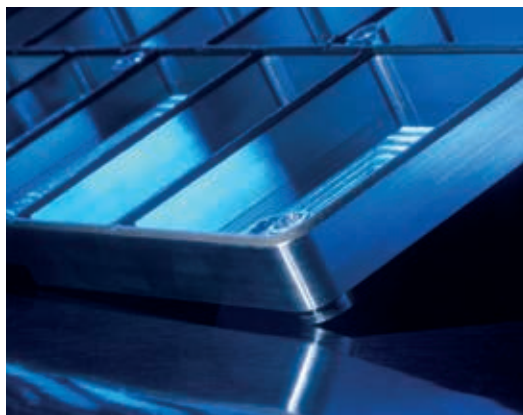




Experience and Innovation



Nolato is a world-leading developer of EMC and thermal solutions made of conductive silicone.



Nolato is a global, high-tech developer and manufacturer of polymer product systems for customers in specific market areas.

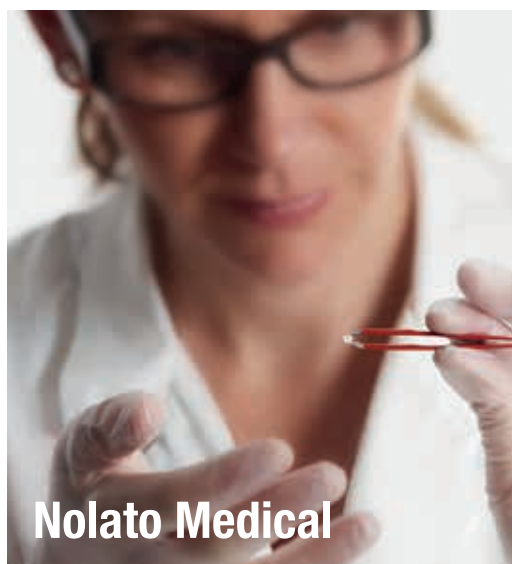
THE NOLATO GROUP

Nolato is an advanced high-tech polymer partner with operations in Europe, Asia and North America. We develop and manufacture products in materials such as plastic, silicone and TPE. Our customer offering comprises everything from concept development, product design and process optimization to high-volume production, post-processing, assembly and logistics.

Our set of values

Ever since Nolato was founded in 1938, its operations have featured a down-to-earth combination of professionalism, ethics and environmental awareness.

Our Basic Principles are customer focus, knowledge, innovative thinking, sustainable development, social responsibility, decentralisation and good organisation.



Nolato Medical



Nolato Telecom



Nolato Industrial

Nolato is a high-tech developer and manufacturer of polymer product systems for leading customers in specific market areas.



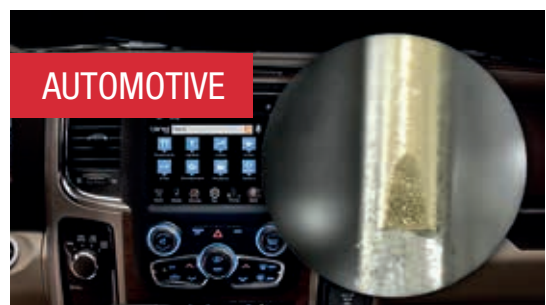
NOLATO SILIKONTEKNIK

Nolato is a world leading developer and supplier of material and know-how for EMI shielding solutions made of electrically conductive silicone and Thermal Interface Materials. Our headquarters and Nolato Tech Center are located in Hallsberg, Sweden with additional manufacturing sites in Beijing, China and Penang, Malaysia & Győr, Hungary. Nolato offers local production on a global scale with more than fifty EMC Production Partners around the world manufacturing the Trishield gasket.

Founded in 1970, Nolato Silikonteknik became a part of the Nolato Group in 1988. Nolato's quality and environmental management systems have been certified with ISO 9001 and ISO14000.

OUR CUSTOMERS

Ericsson, Nokia, Motorola Solutions, Huawei, ZTE, Autoliv, Harman, Philips, etc.





Nolato offers optimal FIP material and know-how through our EMC Production Partners all over the world.

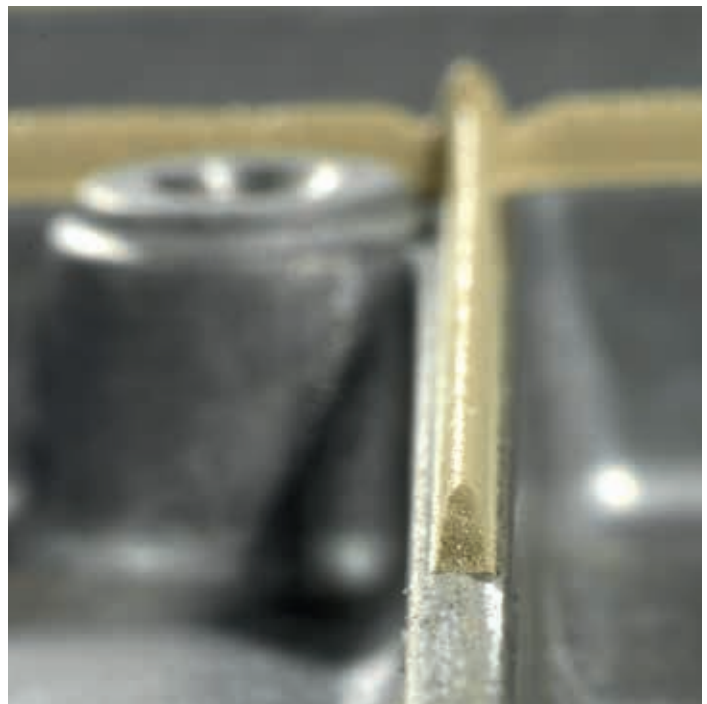
FIP TECHNOLOGY

Form in Place (FIP) gaskets are dispensed by high precision XYZ robots on a carrier of aluminum, magnesium or metallized plastic. FIP technology has many advantages, such as no assembly, no tooling, rapid handling and cost-efficiency.



Nolato has a wide range of elastomeric compounds engineered to achieve excellent EMI shielding and mechanical properties.

Nolato's R&D center in Sweden is dedicated to develop optimized material that fulfill the customers' demands.



Nolato has a unique technology for dispensing triangular shaped gaskets.



TRISHIELD®

Trishield®, Nolato's patented dispensing technology, has been widely used by leading companies in high-tech industries requiring EMI shielding for over a decade. Trishield® offers a solution that combines excellent shielding effectiveness with superior mechanical performance.

The Trishield® technology is used to form the dispensed EMC gaskets into a triangular shape, thus reducing material usage and the compression forces required.



Trishield® has been widely used throughout the telecom industry since it was first utilised by Ericsson in 2001.



Trishield® 2.0 The next generation FIP gasket from Nolato.

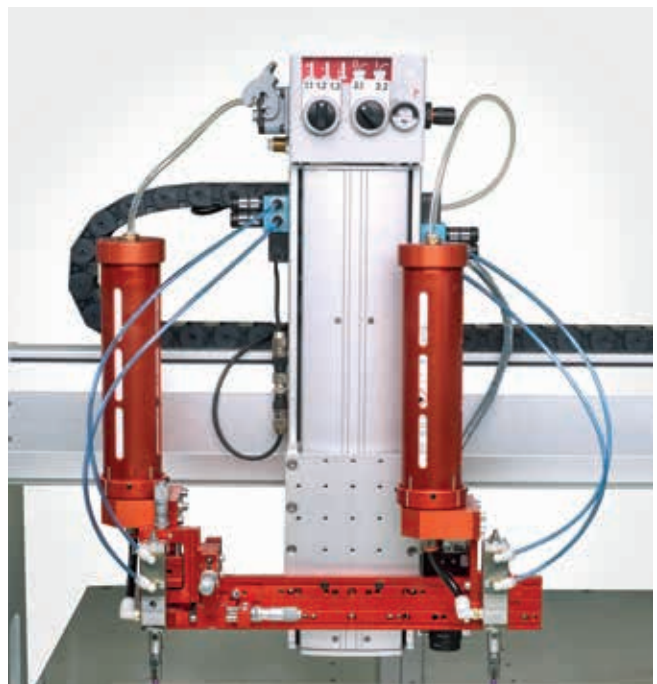
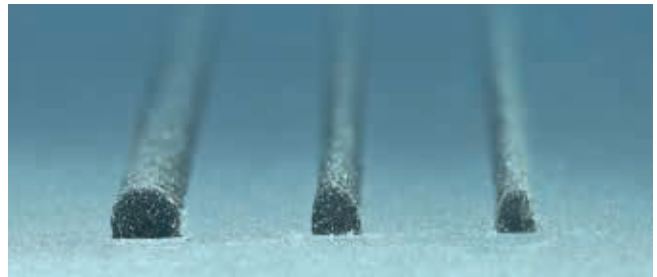
TRISHIELD 2.0

Trishield® 2.0 is an innovative development of the Trishield® concept that further enhances the original benefits of the Trishield® concept. Trishield® 2.0 consists of an improved forming unit and a new family of conductive elastomer materials.

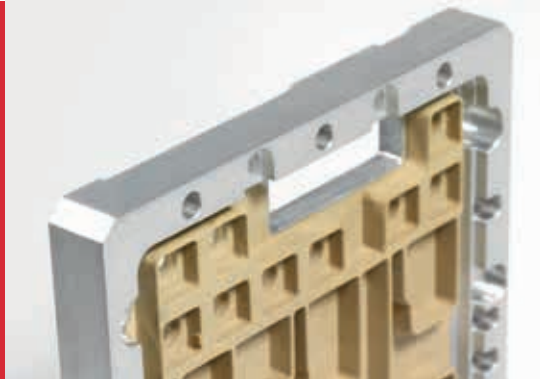
Offers the lowest compression force requirements on the market.

- ▶ Up to 80 % lower compression force
 - Less fasteners needed
 - Possible to increase tolerances on mechanics
 - Less machining needed on mechanics
 - Thinner and more flexible covers
- ▶ Lower material consumption
 - Cost saving
- ▶ Optimal height/width ratio (narrow gaskets)
 - Space saving
- ▶ Double output
 - Possible to run with dual dispensing heads
- ▶ Excellent shielding properties
 - Up to 110 dB
- ▶ Global access
 - Our production partners are located all over the world

Trishield® 2.0 can either be directly installed in an existing Trishield® forming unit or as a new installment, depending on customer requirements.



Besides delivering optimal MIP material, Nolato provides MIP design and know-how.



COMPASHIELD®

Nolato's moulded and extruded products based on electrically conductive silicone rubber are offered under the Compashield® brand name. Compashield® products provide secure EMI shielding for PCB, connectors, cable antennas, etc.

COMPASHIELD® COMPONENTS



Shielding components are moulded with conductive silicone rubber in the exact size and shape required for the application, and are used for grounding and shielding small parts, such as cameras, I/O connectors, cable connectors, wave guides, etc.

COMPASHIELD® SHEETS



Compashield® sheets are used for die-cut EMI shielding and environmental sealing. The gaskets are typically designed for flange to flange application. The Compashield® sheets are available in a wide range of conductive fillers to best meet our customers' demands. Compashield® sheets can be delivered in pre-cut size.



Extruded gaskets from Nolato are widely used in military, automotive and telecommunication applications.

COMPASHIELD® EXTRUDED GASKETS

Our extrusion process involves gaskets of electrically-conductive silicone rubber being string-injected into the preferred shape and with the cross-section required by the customer. The cross-section can be rectangular, solid or hollow in various shapes and dimensions.

COMPASHIELD_{EE}



The Press-fit solution eliminates the extra cost for glue and adhesive, and makes assembling much more simple.

The combination of Compashield® EE Gasket with PressFit provides a product that will save your time and money and give your products optimal EMI and environmental shielding.

COMPASHIELD_{ULTRA SOFT}



Compashield® Ultra Soft is an extruded gasket with an Ultra Soft core that minimizes the compression force required. The unique properties of the core prevent the gasket from collapsing in sharp corners and still keep excellent EMI shielding performance due to the thin conductive outside layer.

COMPASHIELD_{2.0}



Compashield® 2.0 is designed for 5G frequencies and will meet future shielding demands.

Compashield® 2.0 combines optimal EMI shielding and secure environmental sealing in a single gasket. Compashield® 2.0 has now been made even better with more flexible solutions in terms of material, construction and function.

Two of the refinements that the Compashield® 2.0 features are reduced compression force and better compression set.

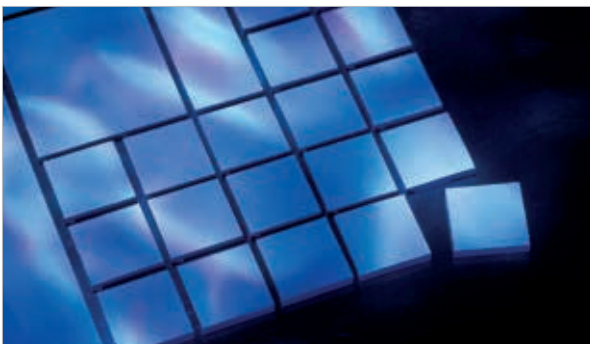
Nolato has a wide range of thermal interface materials.



Compatherm® is Nolato's brand for Thermal Interface Materials (TIM). Compatherm® is used to transfer heat from components to a heat sink. Nolato offers both thermally conductive pads and dispensable compounds (Filler and paste).

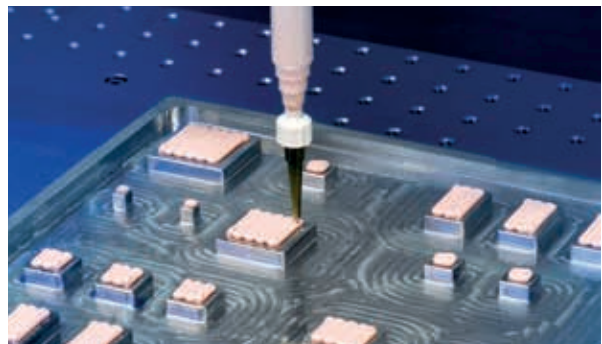
The materials are designed to fill in small air gaps and microscopic irregularities, providing dramatically lower thermal resistance and thus better cooling.

COMPATHERM PAD



- ▶ Excellent thermal properties
- ▶ Ultra soft for low compression forces
- ▶ High conformability
- ▶ Wide range of standard materials
- ▶ Customized material available

COMPATHERM FILLER



- ▶ Excellent thermal properties
- ▶ Available as both one- and two-part compounds
- ▶ Ultra conforming
- ▶ Excellent wetting
- ▶ Ideal for filling gaps between multiple components and a common heat sink.
- ▶ Machine-Material integrated solution for dispensing available
- ▶ Customized material available

COMPATHERM PASTE



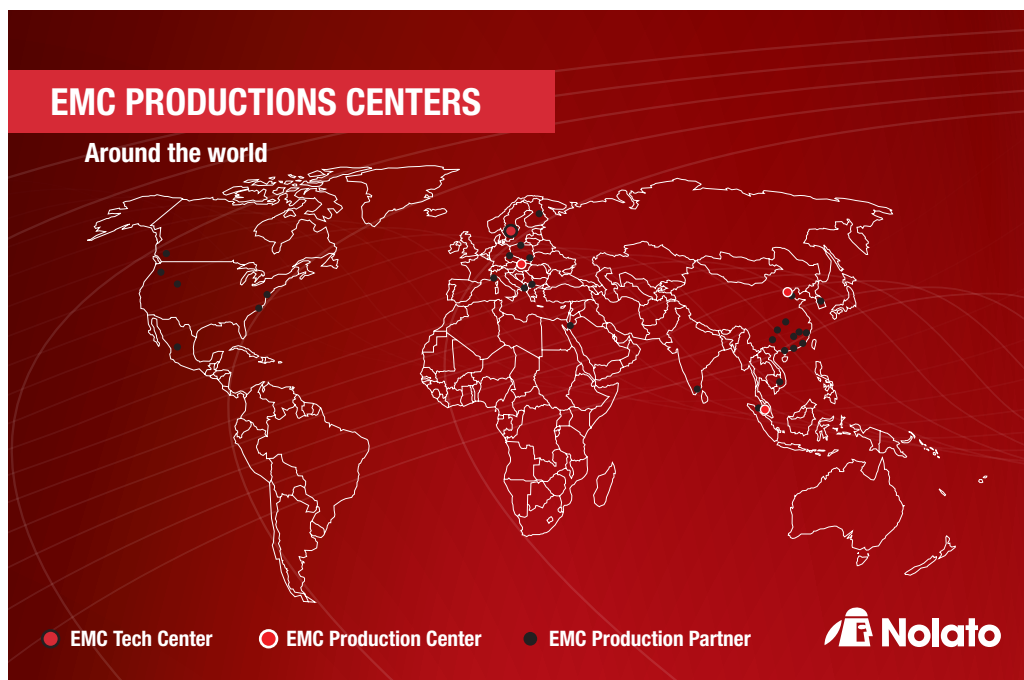
- ▶ Very high thermal performance due to ultra-thin bondline
- ▶ Allows bondlines down to tens of microns
- ▶ Reduced contact resistance due to superior wetting
- ▶ Dispensable and silk/stencil screen printable
- ▶ Highly thixotropic, with minimum migration
- ▶ Stable composition with no dry-out

Nolato shall be the customer's
first choice of partner.

ORDER FREE SAMPLES OF EMC GASKETS AND THERMAL PADS

Use our interactive gasket/thermal guide to order samples free of charge to ensure you're using the perfect solution for your specific application.

- gasketguide.nolato.com
- thermalguide.nolato.com



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