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The starlim//sterner headquarter is located in Austria and was originally founded as a tool manufacturer in 1974. Now it has grown to the world's largest processor of liquid silicone rubber and specializes in the mass production of silicone and multi-component products (silicone/thermoplast) and operates more than 200 liquid injection moulding machines.

starlim  sterner
 silicone at its best



The starlim//sterner group is the world's biggest molder of technical articles made of liquid silicone rubber. As a partner of the leading companies of the automotive, Life Sciences and industry sector starlim//sterner takes over full responsibility from development to production orders - from idea to product design, in-house tool engineering up to automated high volume production.

PRODUCT AND SEGMENT EXPERIENCE

starlim//sterner is a contract manufacturer and produces parts in the automotive, the Life Sciences and the industry sector. Possible fields of application:

- » Automotive: Mat seals, sealings for connectors, peripheral seals, single wire seals, o-rings, boots, contact plugs, steering wheel switches,...
- » Life Sciences: IV-systems, ophthalmology, drug delivery, baby care, breast feeding, dialysis, diagnostic kits, pulmonary devices, syringes, autoinjectors, hearing systems,...
- » Industry: Shower heads, components for PC and mobile phones, buttons & single switches, bellows, optical components,...



R&D AND TQM

The product development department supports its customers in design studies, FEA-analysis, raw material tests, and (rapid) prototyping up to the functional test of the part created.

Each new part is examined thoroughly employing technology as advanced as computer tomography which enables the tester to assess the assembled component under load without destroying the assembly.

Each single component leaving the facilities of starlim//sterner meets the highest quality requirements. Certifications according to industry-specific standards (ISO 9001, ISO 13485, ISO 16949, ISO 14001 and OHSAS 18001), a global quality management and a state-of-the-art shop floor (including clean rooms according to ISO 14644 class 7 & 8 as well as GMP) are the preconditions for an extraordinary performance.

IDENTIFY POTENTIAL

Although silicone already meets highest requirements in several fields of application, it can happen that new requirements cannot be fulfilled with materials available. Tight cooperation with raw material suppliers enables starlim//sterner to develop and test new advanced materials.

The company sees great potential in multi-material parts (mechanical- and self-bonding), in friction modified materials as well as in high transparent material, anti-microbial materials or materials resistant to mineral oils and/or organic solvents.



INTERNATIONAL COMPETENCE CLUSTERS

starlim//sterner serves the European market from the Austrian headquarter in Marchtrenk. The subsidiary starlim North America, located in London/Ontario, Canada was established to serve the Canadian and the US market with silicone in its best form. The trading company STARLIM Silicone Products (Taicang) co., Ltd serves the Asian pacific region from Taicang, near Shanghai in China.

Strategic partnerships with the surface specialist Silcos, based near Stuttgart in Germany, and the rubber specialists ATG in Italy and Poly-Nova in Canada create competence clusters and consolidate the market leadership.



Silicone micro-component (original size)