**Press Release For immediate release**

**Trelleborg Accelerates Product Development and Small Batch Production of LSR Parts**

Trelleborg Sealing Solutions is supporting manufacturers with iCast™ LSR, a new fast and flexible digital manufacturing process for product development and small batch production of Liquid Silicone Rubber (LSR) parts.

Trelleborg’s unique iCastTM LSR process offers a cost-effective way for manufacturers to develop product variations or try out different design concepts before investing in serial production tools. In addition, the process enables the start of pre-series and series production with small batches, to close the gap between low and high-volume production.

Felix Schädler, Project Manager Innovation & Technology at Trelleborg Sealing Solutions, says: “iCast™ LSR is an adaptable five-step modular process that utilizes digitization and new manufacturing techniques. It can dramatically cut concept to production time for prototypes from several weeks to a few days for the average part. This helps manufacturers meet the pressures of rapidly moving markets that are demanding faster new product introductions, improvements, and advancements.”

The Trelleborg iCastTM LSR process starts with the submission of 3D part data and order details. A feasibility study based on artificial intelligence (AI) is triggered to confirm if the iCastTM LSR process is suitable for production of the part. Upon completion of the feasibility study, the part design is analyzed, and the individual digital mold layout is created based on 3D data. If necessary, this undergoes mold flow simulation. In a virtual environment, this process identifies the optimum production process for the use of additive manufacturing (AM) technologies in order to achieve the best possible quality.

With iCastTM LSR technology, quick and multiple design iterations of components in standard industrial grade two-component platinum-cured LSR can be made. These demonstrate the properties and quality levels of high-volume injection molded parts. Currently suitable for production of one to 2,500 parts, Trelleborg’s iCast™ manufacturing process can be utilized to produce a wide range of 2-D and 3-D LSR components including O-Rings, profile seals, diaphragms and custom-molded parts.

To view a technical webinar on iCast™ LSR digital manufacturing, go to: <https://www.trelleborg.com/en/seals/resources/technical-library/webinars/webinar-icast>

To find out more on iCast™ LSR digital manufacturing, go to: <https://www.trelleborg.com/en/seals/products-and-solutions/latest-innovations/icast-lsr>

**ENDS**

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**About Trelleborg Sealing Solutions and Trelleborg Group**

***Trelleborg Sealing Solutions*** *is one of the world’s leading developers, manufacturers and suppliers of precision seals, bearings and custom-molded polymer components. It focuses on meeting the most demanding needs of aerospace, automotive and general industrial customers. Its network extends to over 25 production facilities and more than 50 Customer Solution Centers globally. The business area accelerates the progress of its customers through outstanding local support, an unrivalled product range including patented products and proprietary materials, a portfolio of established brands, unique process offerings, its ServicePLUS value chain solution and ‘Ease of Doing Business’ philosophy.*[*www.trelleborg.com*](http://www.trelleborg.com)*/seals*

***Trelleborg*** *is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way. The Trelleborg Group has annual sales of about SEK 34 billion (EUR 3.34 billion, USD 3.95 billion) and operations in about 50 countries. The Group comprises three business areas: Trelleborg Industrial Solutions, Trelleborg Sealing Solutions and Trelleborg Wheel Systems. The Trelleborg share has been listed on the Stock Exchange since 1964 and is listed on Nasdaq Stockholm, Large Cap.* [*www.trelleborg.com*](http://www.trelleborg.com)*.*