

Corporate Communications

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Press Information

CeramTec's ceramics in crucial medtech applications

CeramTec dipping molds essential for the production of disposable medical gloves

Plochingen/London, 05 May 2020 – The lack of protective equipment for doctors and nurses has become a major problem worldwide in the era of the COVID-19 virus. All manufacturers are under enormous pressure to ensure adequate supplies. In addition to protective masks and protective suits, disposable medical gloves are urgently needed.

CeramTec is one of the world's leading manufacturers of dip molds made of technical ceramics that simulate a human hand. The company supports major manufacturers of gloves from the private and industrial sectors, but especially from the medical sector. Over 1,800 different hand shapes are now produced from technical ceramics.

To produce gloves, the ceramic dipping moulds are dipped into liquid latex, nitrile, polyisoprene, neoprene or other special Butadiene rubber masses. The masses in combination with coagulant liquid adhere evenly to the ceramic dipping moulds and after several dipping steps, they are vulcanized and finally become a solid film meeting the standards of breaking strength, tensile strength, elongation and

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thickness. After further processing steps the finished glove is auto stripped from the dipping mould and auto packed.

Due to its exceptional material properties, technical ceramics are particularly well suited for this application. These include first and foremost thermal shock resistance, resistance to corrosive media and a very low coefficient of expansion.

Do you have any questions or need more information? Then please contact the CeramTec Corporate Communications department at pr@ceramtec.de.

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Image:



Caption:

CeramTec supports major manufacturers of gloves from the private and industrial sectors, but especially from the medical sector. Over 1,800 different hand shapes are now produced from technical ceramics. Photo: CeramTec

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About CeramTec GmbH

CeramTec is a world-leading manufacturer of technical ceramics and is specialized in the development, manufacturing and sale of parts, components and products made from ceramic materials. With over a century of developmental and production experience, CeramTec is a global leader in the manufacturing of advanced ceramics and engineers these materials for use in a wide variety of applications. Advanced ceramics from CeramTec are used in a range of industries, including medical engineering, the automotive industry, electronics, energy and environmental engineering, as well as equipment and mechanical engineering. The current portfolio comprises well over 10,000 products, components and parts made from technical ceramics, along with a wide variety of ceramic materials.

With production sites and subsidiaries in Europe, the UK, America and Asia, CeramTec maintains its presence around the globe as a manufacturer and supplier. The company is headquartered in Plochingen, near Stuttgart. In 2019, CeramTec generated over €620 million in revenues. CeramTec employs more than 3,500 staff worldwide, around 2,000 of which are in Germany.

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