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Press Release

maxon's Ceramic department.

Ceramic can be used where other materials fail. The advantages of using this customisable component is found in its mechanical strength, exceptional insulation properties, high resistance to corrosion, ability to withstand extreme temperatures and chemicals, durability and wear-resistant properties.

At their state of the art manufacturing site in Sexau, Germany, maxon Group develops customisable CIM (Ceramic Injection Moulding) components. Working with the latest technology and incorporating the 20 plus years of experience in Powder Injection Moulding (PIM) maxon uses the most up to date CAD technology and finite element calculation.

The ceramic department works across technology found in watches and mechanical clocks, measurement technology such as sensor housing for flow metres, audio equipment including headphones and bearings for high-end record players, industrial automation and machinery, medical industry for example in Endoscopes, and of course, DC motors.

Ceramic is particularly suited to the extreme conditions found in salt water. In DC motor technology, the limitations of traditional materials in this environment become evident. For example customised underwater drives require saltwater resistant materials. maxon ceramic spindles work with virtually no slip-stick effect, are corrosion resistant, robust, wear resistant and have excellent efficiency.

For more information visit the [maxon ceramic page](#)

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The press release is available on the internet at: www.maxongroup.net.au



maxon offer extreme precision with the ceramic components found in clocks and watches. They must be constructed with the utmost of precision for reliability. © maxon Group.

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The Swiss specialist for quality drives

maxon is a developer and manufacturer of brushed and brushless DC motors, as well as gearheads, encoders, controllers, and entire mechatronic systems. maxon drives are used wherever the requirements are particularly high: in NASA's Mars rovers, in surgical power tools, in humanoid robots and in precision industrial applications, for example. To maintain its leadership in this demanding market, the company invests a considerable share of its annual revenue in research and development. Worldwide, maxon has more than 3000 employees at nine production sites and is represented by sales companies in more than 30 countries.