MARKET	APPLICATIONS AND END USE	EXAMPLE END-USE SUSTAINABILITY IMPACT
Aerospace & Defense	<ul> <li>Rings, discs &amp; other components for engines</li> <li>Fasteners for both the airframe and engine</li> <li>Structural components (e.g., landing gears)</li> <li>Auxiliary power units (e.g., back-up generators)</li> </ul>	<ul> <li>Improve energy efficiency of aircraft</li> <li>Reduce GHG and other air emissions</li> <li>Reduce material required to manufacture parts</li> <li>Eliminate environmentally hazardous coatings &amp; plating processes</li> </ul>
Medical	<ul><li>Orthopedic implants</li><li>Cardiology stents and tools</li><li>Surgical tools</li><li>Dental screws &amp; abutments</li></ul>	<ul><li>Improve patient outcomes</li><li>Reduce incidence of adverse events</li><li>Eliminate hazardous coatings</li></ul>
Energy	<ul> <li>Offshore wind power-generation components</li> <li>Onshore &amp; offshore drilling and completions equipment</li> <li>Wheels, spacers, bolting &amp; fuel nozzles for power-generation equipment</li> </ul>	<ul> <li>Improve performance of renewable energy capture systems</li> <li>Reduce emissions of power-generation equipment</li> <li>Reduce waste with longer tool life</li> <li>Reduce environmental exposure through high-integrity safety systems</li> </ul>
Transportation	<ul> <li>Engine components (e.g., turbochargers)</li> <li>Structural components (e.g., suspensions)</li> <li>Electrical motors, power electronics &amp; charging systems</li> </ul>	<ul> <li>Improve energy efficiency of vehicles</li> <li>Reduce material required to manufacture parts</li> </ul>
Industrial & Consumer	<ul> <li>Flow control for manufacturing of semiconductors</li> <li>Components that enable miniaturization in electronics, including smart phones, smart watches &amp; wireless headphones</li> </ul>	<ul> <li>Reduce waste by extending life of products</li> <li>Reduce material required to manufacture parts</li> </ul>