

OUR MARKETS

# HEALTHCARE

**We provide design and manufacturing solutions for a range of diagnostic, surgical and direct patient care devices critical to the identification, treatment and prevention of disease.**

The ageing of populations in most developed countries with continued increases in life expectancy (the world's population of over 60s is expected to double by 2050) has major implications on healthcare costs. The ability to deliver healthcare to these populations is a structural driver of growth forcing the acceleration of the pace of innovation in healthcare. Furthermore, the pandemic significantly increased demand for remote healthcare solutions, including home-based care and telemedicine. The growing need to expand healthcare access and reduce the burden on medical resources through the use of technology in medical devices is driving an expected CAGR of 7% through to 2027. Beyond this, it is likely that growth will continue as medtech offers cost-efficiency and convenience for both patients and providers.

McKinsey recently reported that technological change is one of the biggest developments forcing structural change in healthcare, particularly the incorporation of AI into medtech and healthcare and the use of data and analytics to improve care and productivity. There has been a rapid increase in healthcare innovations which are benefiting society by enhancing quality of life, fighting disease and promoting wellbeing.

Our power, connectivity and sensor technologies span the modern surgical suite, from patient monitoring and therapeutic devices to surgical navigation, diagnostic equipment and life sciences. According to New Venture Research, monitoring and surgical equipment are set to experience the strongest growth in the sector, followed by medical diagnostics technologies.

TT is focused on growing in three areas where we are well placed to capitalise on this increasing demand for high-complexity products driven by technological advancement.

**Robotic surgery**

Minimally invasive surgical procedures are good for both patient and doctor given the reduced risk and faster recoveries. It is estimated that fewer than 10% of procedures today are carried out using the aid of a robot, despite resulting in greater precision and improved overall patient outcomes. These are markets measured in the billions of dollars and increased penetration equates to huge growth potential over the next few decades. We are pushing boundaries in this area by enabling sensor miniaturisation, increased sensor precision and highly effective integration of sensor and device.

TT sensors attached to surgical instruments provide real-time positioning and orientation information and we are a market leader in the smallest electromagnetic micro-coil sensors for these applications.



**Implantable devices**

There is increasing use of wearable devices to track health, as well as remote patient monitoring, including devices that can conduct ECGs, detect high blood pressure and monitor mental health indicators. TT products also help deliver therapy directly to patients through implantable devices such as pacemakers and defibrillators. Implantables are now also competing with pharmaceutical solutions for issues like hypertension and sleep apnoea and are able to support other external applications requiring high-reliability power and sensor-enabled communication.

**Life sciences and laboratory equipment**

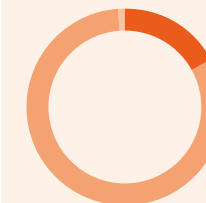
We are continuing to expand our involvement in life sciences and laboratory equipment, supporting new ultra-low temperature freezers and gaining momentum in automated sample storage systems. By supporting our partners in this area, we are collectively improving laboratory automation systems and enabling samples to be collected and analysed with minimal human intervention, the benefits of which are improved data reliability and accuracy, less waste, and time-efficient results.

**“ We are pushing boundaries in robotic surgery by enabling sensor miniaturisation, increased sensor precision and highly effective integration of sensor and device.”**

**TELEHEALTH AND REMOTE PATIENT MONITORING EXPECTED SECTOR CAGR TO 2027**

**+7%**

**REVENUE BY DIVISION**



Power and Connectivity	17%
Global Manufacturing Solutions	82%
Sensors and Specialist Components	1%