



# Medical Devices Sector

## Melbourne, Victoria, Australia

Victoria's medical devices sector is backed by strong infrastructure, world-leading research institutes and a Government that is committed to supporting innovation. Underpinning the sector is a highly skilled and innovative workforce, a competitive business environment and a strong culture of collaboration.

With predicted growth of more than five per cent per annum to 2015 and beyond, the Australian medical devices and diagnostics sector continues to grow and diversify.

Victoria is rapidly emerging as the location of choice for a growing number of international companies who are recognising the State as a hub for the design, development, and manufacture of next generation devices and instruments.

Victoria's recognised strengths as an innovative location for ICT, advanced manufacturing and life sciences, place it at the forefront of new medical devices and diagnostics development, including current work on groundbreaking 'bionic eye' technology.

### Global companies who have chosen to locate their Australian head offices in Victoria include:

Coloplast	Olympus/Gyrus ACMI
Dentsply	PerkinElmer
Draeger Medical	SDI
Illumina	SGE Analytical Science
Invetech	Smith & Nephew – HealthCare Division
J&J Ortho-Clinical Diagnostics	Thermo Fisher Scientific
Leica BioSystems	Universal Biosensors
Life Technologies	

### Victoria has all the components necessary for medical devices success

#### Competitive and Dynamic Business Environment

- World-recognised expertise in the design, development and manufacture of medical devices and diagnostics.
- A strong and diverse manufacturing skills base – as Australia's base for automotive, aerospace, defence and general manufacturing.
- A robust regulatory system.
- Established capability in the development and application of small technologies, including micro and nano.
- A strategic geographic position within the Asia-Pacific region.

#### Highly Skilled and Collaborative

- The medical devices sector in Victoria has a strong culture of collaboration, with extensive linkages and partnerships between Victoria's academic, research and corporate sectors.
- Victoria's life sciences precincts - formed around major universities, institutes and infrastructure capabilities - continue to attract firms from around the world, fuelling a new wave of collaboration and partnership opportunities.

#### An International Reputation for R&D

- Victoria's biomedical researchers consistently secure more than 40 per cent of **National Health and Medical Research Council (NHMRC)** funding, more than any other State in Australia.
- Victorian researchers have been responsible for the development of a number of leading-edge devices, including the 'Bionic Ear' or Cochlear Implant.
- Victoria is home to a number of government-funded **Collaborative Research Centres (CRCs)**, established to support joint projects between researchers and industry in areas such as advanced materials, biomedical imaging and metals technology.



### World-Class Infrastructure to Support Innovation

- The **Victorian Centre for Advanced Materials Manufacturing (VCAMM)** links Victoria's research sector and leading manufacturers to support the development and commercialisation of innovative products and manufacturing advances.
- The **Melbourne Centre for Nanofabrication (MCN)** provides state-of-the-art capability in advanced materials and biotechnology.
- **Australian Synchrotron** – a \$220 million project to create the largest stand-alone piece of scientific infrastructure in the Southern Hemisphere.
- **Victorian Life Sciences Computation Initiative** – the world's most powerful supercomputer dedicated to life science research, located at the University of Melbourne.

### Universal Biosensors

Each year around 800 million point-of-care blood tests are performed globally on patients taking anticoagulation medication such as warfarin. Until recently, a low-cost, accurate test was not available on the market for use by these patients and their medical practitioners.

From their global HQ in Melbourne, Australia, Universal Biosensors scientists and engineers pioneered sophisticated new electrochemical cell technology, for use as the platform behind Johnson and Johnson's world-leading OneTouch® Verio® blood glucose monitor.

The test strip technology is developed and manufactured at Universal Biosensor's state-of-the-art facility in Melbourne's south east, which has capacity to manufacture over 1.5 billion test strips per annum for global markets.

[www.universalbiosensors.com](http://www.universalbiosensors.com)

### Bionic Vision Australia

Based in Victoria, Bionic Vision Australia (BVA) is a national consortium of researchers working together to develop a bionic eye that can restore the sense of vision to people with vision impairment due to retinal degenerative conditions such as retinitis pigmentosa and age-related macular degeneration.

The bionic eye project brings together a cross-disciplinary group of world-leading experts in the fields of ophthalmology, biomedical engineering, electrical engineering and materials science, neuroscience, vision science, psychophysics, wireless integrated-circuit design, and surgical, preclinical and clinical practice.

[www.bionicvision.org.au](http://www.bionicvision.org.au)

### Want To Know More?

Details of the full range of biotechnology-related infrastructure available in Victoria can be found at the Victorian BioPortal at [www.vicbiportal.org](http://www.vicbiportal.org)

Head to [www.invest.vic.gov.au/biotechnology-life-sciences](http://www.invest.vic.gov.au/biotechnology-life-sciences) to learn more about life sciences in Victoria.

### Contact us

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