

# Joint Media Release



**Australian Government**

**Senator the Hon Tim Ayres**  
Minister for Industry and Innovation  
Minister for Science



**Mr Danny Pearson MP**  
Minister for Economic Growth and Jobs  
Minister for Finance

Wednesday, 5 November 2025

## WORLD FIRST: LAB GROWN DIAMONDS TO TRANSFORM TECH

With investments from both the Albanese Labor Government and the Allan Labor Government, Victoria has opened the world's first commercial quantum diamond foundry, driving economic growth in the state's thriving quantum technology sector.

Victorian Minister for Economic Growth and Jobs Danny Pearson today officially opened Quantum Brilliance's new quantum diamond foundry at Co-Labs in Notting Hill, which will develop world-leading technology for quantum devices.

The foundry is a cutting-edge manufacturing facility where lab-grown diamonds are built into computer circuits to boost computing power. These diamond-based technologies make quantum devices smaller, portable, and able to work at room temperature.

The new foundry has been supported by the Allan Labor Government through Breakthrough Victoria, with an initial investment of \$8 million and a further investment of \$10 million, as well as additional support from the Made in Victoria: Industry R&D Infrastructure Fund.

The Albanese Labor Government's National Reconstruction Fund has also invested \$13 million in the new foundry, which will boost sovereign manufacturing capability to produce these diamonds locally and ethically. Increasing local capability is core to delivering a Future Made in Australia.

Quantum technology delivers unprecedented advances in computing and sensing, going beyond what today's traditional systems can do. This next generation capability has many life-changing applications, such as speeding up discoveries in medical treatments, drug development and testing.

Designing and producing quantum diamond devices locally will build Victoria's expertise, create skilled jobs, and strengthen Victoria's position as a world leader in diamond quantum technologies.

CSIRO modelling found that Australia's quantum technology industry could be worth nearly \$6 billion and employ 19,400 people by 2045.

The Allan Labor Government's *Economic Growth Statement* names digital technologies, including quantum, as a key priority for creating jobs, boosting growth and encouraging innovation and cutting-edge ideas.

### Quotes attributable to Minister for Industry and Innovation and Minister for Science Tim Ayres

*"The Albanese Labor Government is proud to back a Future Made in Australia – where innovation meets sovereign capability. With investment from the NRF, Quantum Brilliance's new quantum diamond foundry in Victoria is a world-first, and a powerful example of how public investment can unlock private ingenuity and drive economic growth."*

*"Australia has a proud record of excellence in quantum technologies research. With this investment, we are delivering on the goals of our National Quantum Strategy by backing the local quantum sector to go from strength to strength."*

## **Quotes attributable to Minister for Economic Growth and Jobs Danny Pearson**

*“With the world’s first commercial quantum diamond foundry, Victoria isn’t just on the map – we’re leading the way and driving the next wave of global innovation.”*

*“This world-first project is fuelling economic growth and creating new opportunities for Victorians across our thriving tech and manufacturing industries.”*

## **Quote attributable to Member for Oakleigh Steve Dimopoulos**

*“This world-first foundry is a huge win for locals – strengthening our community’s role in Victoria’s growing tech sector.”*

## **Quote attributable to Breakthrough Victoria CEO Rod Bristow**

*“Opening the world’s first commercial quantum diamond foundry in Melbourne is a landmark achievement for Victoria’s innovation economy. This investment will accelerate quantum breakthroughs, create highly skilled local jobs, and position our state as a global leader in advanced technology and sovereign manufacturing.”*

## **Quote attributable to Quantum Brilliance Chief Technology Officer Dr Marcus Doherty**

*“With this launch, the Foundry will begin to deliver its mission is to unlock the potential of diamond-based quantum technologies by supplying high-performance quantum diamond at scale and accelerating the design and fabrication of quantum diamond devices.”*

## **MEDIA CONTACTS**

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