

Mining & Resources

Argon recently commissioned a world first robotic concentrate sampling & handling system for Ozminerals in Darwin, Australia. [Read more](#)

Argon Technology is the industry leader in robotic laboratory systems and laboratory technologies. Robotic laboratory technologies are the facilitation tool for continued success and growth in today's mining and resources industry. Argon Technology's robotic laboratory systems are ideal for automation of the mining and resources industries processing systems. These systems are value adding in a skills shortage environment and greatly increase the safety and OH&S of operating in laboratory environments. They remove the repetitive human labour element from the handling of hazardous substances, ensuring personnel are out of harm's way. The mining and resources industry is benefiting through ensured capability and precision accuracy in their analytical analyses. Testing for precious metals such as gold, silver, platinum, palladium as well as many other core metals such as nickel, cobalt, iron, aluminium and copper is made much easier with the help of Argon's Robotic Laboratory Systems. System designs see a robot or series of robots working together in a system involving various peripheral automation components and tools to provide automated operation and enhanced productivity of the laboratory setup. Custom solutions can be engineered to meet all requirements. Elemental analysis instruments can be linked to the robotic laboratory systems to obtain information on the elemental levels of precious metals after simply handling the soil. Therefore metal concentrations in soils can be determined with ease, which allows the gold, silver, platinum, nickel, cobalt or whichever element is of interest to be dug up, processed and shipped with greater accuracies and speeds. These systems are increasing the processing times and quality of results of assay and analytical laboratories, allowing ore bodies (such as: gold, silver, platinum, palladium, nickel, cobalt, copper, iron, aluminium and more) to be identified, analysed and processed faster. For more information on how Argon Lab Systems will be suitable for your application contact us.