



HYPERSPECTRAL CORE SCANNING

Core Photography - Mineralogy – Geotechnical

CORESCAN ARE LEADERS IN THE HYPERSPECTRAL SCANNING, PROCESSING AND INTERPRETATION OF DRILL CORE, ROCK CHIPS AND OTHER GEOLOGICAL SAMPLES.

Corescan has developed advanced hyperspectral sensors and data processing algorithms that enhance geological knowledge across the entire exploration and mining value chain.

Corescan's Hyperspectral Core Imager (HCI) integrates high resolution reflectance spectroscopy, core photography and 3D surface profiling to map mineralogical assemblages and geotechnical parameters, delivering advanced geological models for greenfield exploration through to ore processing and mine optimization.



Scanning Services

Corescan offers both centralised bureau scanning services and mobile laboratories operating onsite, to best serve your core scanning needs. From small scale characterisation studies through to larger, production scale, real-time operations, Corescan can deliver a solution to integrate with your core logging workflow and geological model development.



Processing Services

Our team of experienced geoscientists use the latest processing algorithms to process billions of hyperspectral measurements, delivering advanced mineralogical information to your project. Our products include mineral occurrence, assemblage, texture and speciation; geotechnical and morphological parameters; and ultra-high resolution core photos; delivered as images and numerical logs.



CORESCAN IS A GLOBAL SERVICES COMPANY SPECIALISING IN THE HYPERSPECTRAL SCANNING, PROCESSING AND ANALYSIS OF DRILL CORE, ROCK CHIPS, BLAST HOLES AND OTHER GEOLOGICAL SAMPLES FOR THE EXPLORATION, MINING AND GEOTECHNICAL INDUSTRIES.

HYPERSPECTRAL MINERALOGY

Corescan's hyperspectral systems integrate reflectance spectroscopy, core photography and 3D surface profiling to deliver an advanced mineralogical identification and logging solution for use on drill core, rock chips, blast hole samples, and a range of other geological material.

GEOLOGICAL IMAGE MANAGEMENT

Coreshed® is a software solution that centrally manages the vast collection of images of drill core, rock chips, blast samples and other geological material acquired over the life of a project. Coreshed® provides an advanced digital core storage, visualisation, management and data integration solution for all your geological images.

AUTOMATED GEOTECH

Corescan offers an advanced solution for the acquisition and calculation of a comprehensive range of geotechnical parameters including fracture orientation and characteristics; RQD and wall rock mineralogy.

CORE PHOTOGRAPHY

Corescan provides a range of sensors to capture high quality images of drill core, RC chips and other geological samples. Advanced processing workflows automatically crop, correct and deliver images directly into Coreshed® for secure storage, visualisation and management.

AUTOMATED CORE LOGGING

Corescan offer a fleet of mobile laboratories for direct integration into your drilling program, to deliver a comprehensive, real-time, automated core logging and geological modelling solution.

Contact Us

Corescan has offices located in Australia, Chile, Peru, Argentina, Mexico, USA, Canada, and the UK, and is headquartered in Perth, Australia.

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