

# **SISUROCK** STATE-OF-THE-ART WORKSTATION FOR DRILL CORE LOGGING



#### RAPID

- Scans full core area in seconds.
- Scans core tray and loads next box in only two minutes.
- Scans hundreds of boxes per day, no sample preparation.





#### VERSATILE

- Multiple cameras from visual to thermal range for versatile imaging capabilities.
- Excellent spatial and spectral resolution.
- Double-sided illumination optimizes image quality.
- Unmatched in capturing difficult deposits, samples, and textures.

#### REPEATABLE

- 100% repeatable method, providing complete results.
- Get all data in digital format on first scan, no revisiting archives.
- Data can be used to produce consistent, objective mineral maps.





### RELIABLE

- Well-established and reliable platform requiring minimal maintenance.
- Scientifically proofed method.



\*) Depending on VNIR spectral binning

## **MINERAL IDENTIFICATION CHART**

	Silicate structure	Mineral Group	Example	VNIR	SWIR	TIR / LWIR Response
Silicates	Inosilicates -	Amphibole	Actinolite	Non-Diagnostic	Good	Moderate
		Pyroxene	Diopside	Good	Moderate	Good
	Cyclosilicates	Tourmaline	Elbaite	Non-Diagnostic	Good	Moderate
	Nesosilicates -	Garnet	Grossular	Moderate	Non-Diagnostic	Good
		Olivine	Forsterite	Good	Non-Diagnostic	Good
	Sorosilicates	Epidote	Epidote	Non-Diagnostic	Good	Moderate
	Phyllosilicates -	Mica	Muscovite	Non-Diagnostic	Good	Moderate
		Chlorite	Clinochlore	Non-Diagnostic	Good	Moderate
		Clay Minerals	Illite	Non-Diagnostic	Good	Moderate
			Kaolinite	Non-Diagnostic	Good	Moderate
	Tectosilicates	Feldspar	Orthoclase	Non-Diagnostic	Non-Diagnostic	Good
			Albite	Non-Diagnostic	Non-Diagnostic	Good
		Silica	Quartz	Non-Diagnostic	Inferred	Good
Non-Silicates	Carbonates -	Calcite	Calcite	Non-Diagnostic	Moderate	Good
		Dolomite	Dolomite	Non-Diagnostic	Moderate	Good
	Hydroxides		Gibbsite	Non-Diagnostic	Good	Moderate
	Sulphates -	Alunite	Alunite	Moderate	Good	Moderate
			Gypsum	Non-Diagnostic	Good	Good
	Borates		Borax	Non-Diagnostic	Moderate	TBD
	Halides	Chlorides	Halite	Non-Diagnostic	TBD	TBD
	Phosphates	Apatite	Apatite	Moderate	Non-Diagnostic	Good
	Hydrocarbons		Bitumen	TBD	Moderate	TBD
	Oxides -	Hematite	Hematite	Good	Non-Diagnostic	Non-Diagnostic
		Spinel	Chromite	Non-Diagnostic	Non-Diagnostic	Non-Diagnostic
	Sulphides		Pyrite	Inferred	Non-Diagnostic	Non-Diagnostic

#### Table courtesy of Dr. Phil Harris, GeoSpectral Imaging

#### **About Specim**

Founded in 1995, Specim is the pioneer and leading global supplier of hyperspectral imaging solutions. We offer the broadest portfolio of hyperspectral cameras from VNIR to LWIR, imaging spectrographs, software systems, and accessories to serve industry, research, and government organizations worldwide. Specim has been a part of the Konica Minolta Group since 2020.

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