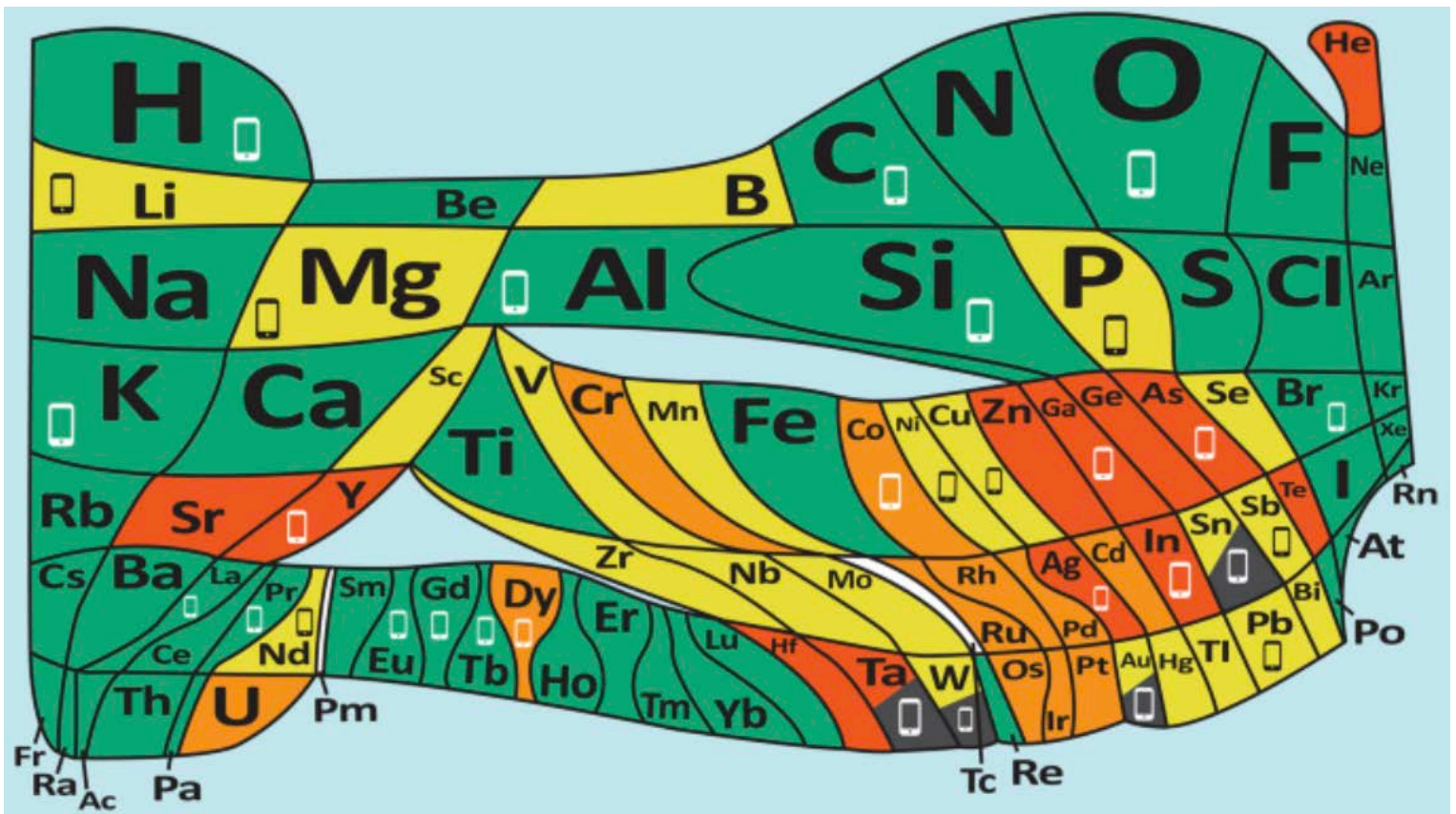




SPECTROVISION INSTRUMENTS PVT. LTD.



MA-3000

Mineral Analyzer

Key Features

N2 Gas Generator - Constant, reliable, stable & on-demand gas supply that eliminates the inconvenience of changing cylinders or dewars.

Plasma Unit - A highly efficient plasma unit does not require water cooling and replaces the traditional argon generated plasma technology.

Spectrometer - A high-resolution sCMOS provides simultaneous measurement of elements in the prepared samples.

Air Compressor - Air is used to cut off the plasma. In air compressor air flows under pressure through reaction towers containing molecular sieve absorber.

Flexibility - MA-3000 provides maximum flexibility to select multiple elements and multiple wavelengths without adding to the analysis time.

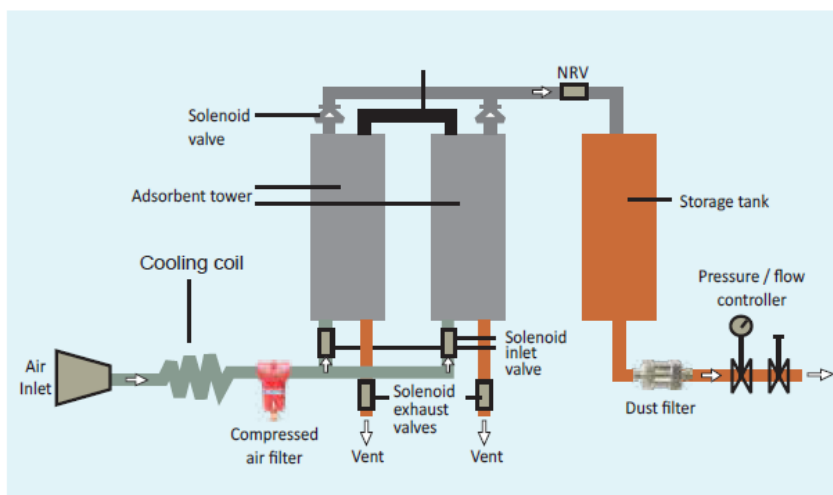
Carbon Emission - Annual CO₂ emissions savings compared to Argon carbon footprint hence lowest carbon footprint compare any other ICP-OES.

High Quality Engineering - Spectrovision Instruments Pvt. Ltd. is an ISO 9001 certified manufacturer and MA-3000 is expertly engineered to ensure performance and reliability.

MA-3000 Mineral Analyzer



	N2 Specification	Zero Air Specification
Moisture	< 5ppm	< 5ppm
Oxygen	< 5ppm	-
Total Hydrocarbon (THC)	< 0.1ppm	< 0.1ppm
CO & CO2	< 2ppm	< 2ppm
Micron Particles	0.01 μ	0.01 μ
Capacity	200 ml/min at 80 psi	1500 ml/min at 80 psi
Method of Purity	Pressure Swing Adsorption (PSA)	Pressure Swing Adsorption (PSA)
Air Compressor	External	External
Startup time	Programmable by Timer	10 Min
Electrical requirement	230 V AC, 50Hz, 1ph	230 V AC, 50Hz, 1ph



Specifications

- ▶ **Lightweight modular design with independent plasma source and echelle based spectrometer with fibre optic connection.**
- ▶ **Air-cooled plasma source of 1000W reliably generated and runs on nitrogen.**
- ▶ **No chiller required**
- ▶ **Variable four-speed four-channel peristaltic pump**
- ▶ **Instrument resolution: 5pm @ 200 nm**
- ▶ **Wavelength range: 194 nm - 625 nm extended up to 766 nm**
- ▶ **Mains Power: 240V/10A**
- ▶ **Exhaust: 4 inch**
- ▶ **Typical plasma gas flow 14L/min**

Contact Us



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