



**AMETEK**<sup>®</sup>  
MATERIALS ANALYSIS DIVISION

# perspective

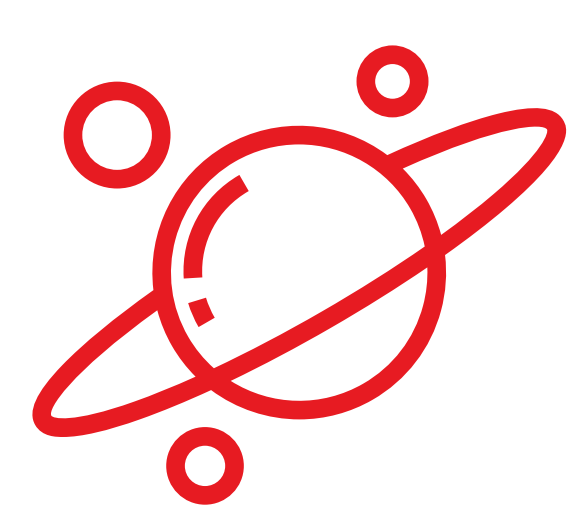


## Key Features

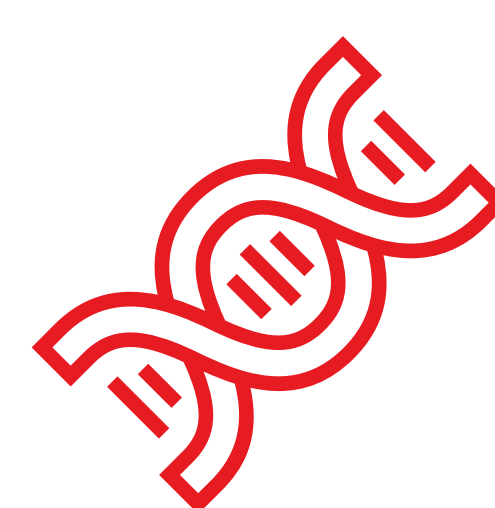
- High efficiency ion source with integral focussing lenses
- Fully differentially pumped as standard
- Unique SIRMS collector arrays using patented “Variable Zoom Optics” (with no moving parts)
- Hall probe stabilised electromagnet
- High efficiency, narrow entrance, deep Faraday collectors
- Amplifiers capable of measuring signals above 55V
- 100% analyser transmission
- State-of-the-art electronics with full self-diagnostics
- All masses, including H<sub>2</sub>, are measured at the full deflection radius
- Integral ion source heater (temperature up to 200°C)
- Simultaneous ion beam collection using up to twelve Faraday collectors
- All masses measured at full 8kV accelerating potential



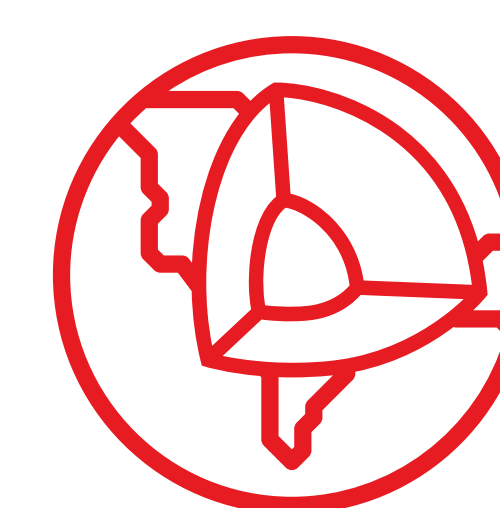
Environmental  
Science



Planetary  
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Life Science



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