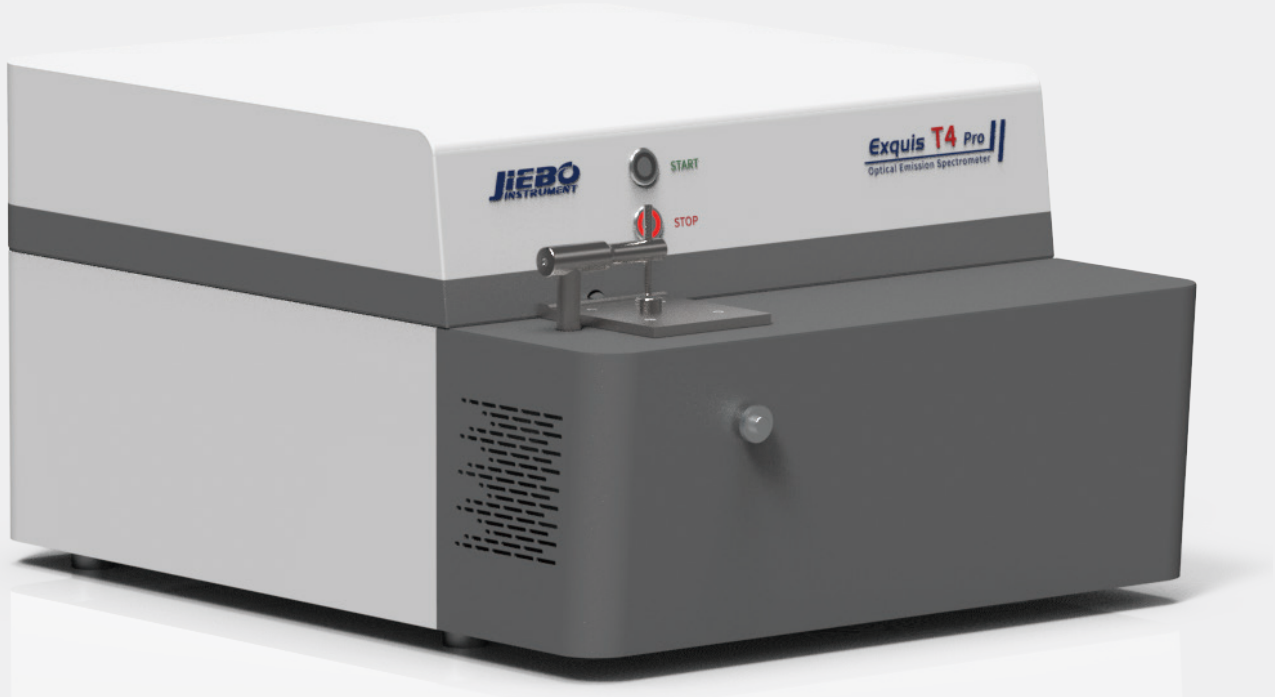
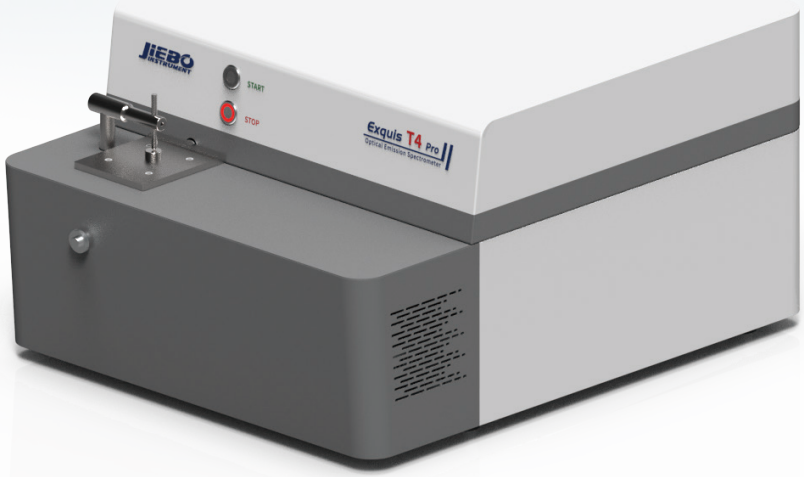
Exquis T4 Pro OES

High Precision Metal Analyzer



Exquis T4 Pro OES

Precision · Speed · Stability



Application

The Exquis T4 Pro Full Spectrum Optical Emission Spectrometer employs sealed-cell argon-filled circulation technology within its optical chamber, presenting a compact instrument design. Characterised by rapid and precise detection alongside straightforward, intuitive software operation, it is ideally suited for routine analysis of elemental content within diverse metallic samples—ferrous and non-ferrous metals. This significantly enhances analytical experience and production efficiency, making it an ideal choice for metal manufacturing and processing enterprises.

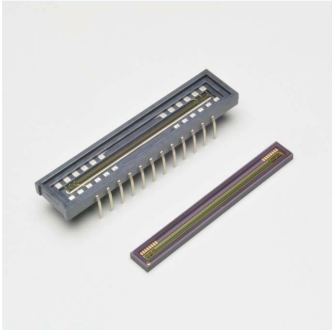
Technical Specifications

Product Model	Exquis T4 Pro
Detectable matrix	Fe,Al,Cu,Ni,Co,Mg,Ti,Zn,Pb,Sn,etc.
GRADE database	Included
Light source type	Programmable digital light source
Optical system	Paschen-Runge mounting
Wavelength range	140–680 nm
Grating focal length	401 mm
Height x Width x Depth	L530*W660*H350mm
Weight	Approximately 47kg

Technical Features

Core Technologies

Powered by a patented 1000 Hz fully digital excitation source, the Exquis T4 Pro automatically adapts to different materials for optimal accuracy and efficiency. Its integrated temperature-controlled shielding maintains ±0.1°C stability, while innovative full-coverage heating reduces cold-start time to just 30 minutes. Combined with a sealed optical chamber using circulating argon, the instrument delivers precise analysis in both laboratory and harsh furnace-side environments.



Low-Noise CMOS Detector

Powered by a low-noise 4096-pixel CMOS detector, the Exquis T4 Pro provides full-spectrum analysis for metals (Fe, Al, Cu, Zn, Ni, Mg, Ti, Pb, Sn) and element (C, S, P, B, As). Its superior UV sensitivity enables direct ppm-level detection of non-metals—no coating required. For high-purity metal analysis, the T4 Pro delivers uncompromising precision for demanding material research.



New Structural Design

Enhanced Structural Stability: The enlarged analysis platform and optimized mechanical structure effectively isolate micro-vibrations, ensuring accurate and reliable data.

Improved Thermal Efficiency: Redesigned internal layout and increased heat dissipation area significantly enhance thermal stability for extended continuous operation.

Supporting Software

Intuitive Operation: Windows-based software with a clear layout enables quick mastery of analysis workflows, reducing training costs.

Multi-Language Support: Multi-language operating system pre-installed upon request to meet global needs.

Pre-Installed Calibration Curves: In addition to the built-in material database, each instrument comes with standard calibration curves customized for your requirements. This eliminates the need for sample preparation in special scenarios, solving the challenge of missing standard samples and ensuring immediate, reliable data.

Our Service

Our global network of service hubs provides a full range of technical support:

- Telephone help-desk
- On-line diagnostics
- Rental instruments
- Maintenance
- Training
- Extended warranty
- Consumables and accessories
- Repair service



Optional Accessories



JB-4B
Argon Purifier



CWY-II-1KVA
Stabilizer



MYJ-1A
Grinding Machine



OT2-A180A
Mini Lathe



CRM

For more information, please contact us.

Phone: +86-18118915623
Email: sales@wxjiebo.cc
Website: www.jiebo-instrument.com

Wuxi Jiebo Instrument Technology Co., Ltd.
Add: No. 26-9, Huibei Road, Liangxi District, Wuxi City, Jiangsu Province, China

Copying or reproducing the content of this document without permission is prohibited.