



**FIRST Newsletter**  
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## **Insoluble Aluminum Detection in Steel with Q4 TASMAN and IDE**

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Production of steels for products like ball bearings, deep-drawn parts or wires in tire belts is very demanding. During inspection and analysis of the steel, one of the most important elements to consider is the role of aluminum. The amount of insoluble aluminum in the steel can give valuable information about product quality.

To aid in the quality control of steel products, Bruker Elemental offers the [Q4 TASMAN](#) with analysis methods and insoluble detection (IDE) features adapted specifically for aluminum.

[Q4 TASMAN](#) is an advanced CCD-based optical emission spectrometer (OES) for metal analysis. It provides the answers you need fast, using the very latest, state-of-the-art technologies, and is suitable for many general purpose applications. [Q4 TASMAN](#) offers dedicated solutions for your analytical tasks. Analytical Solution Packages (ASP) are available per metal matrix and include elements, calibration, alloys and more. In no time at all, you receive reliable, complete analytical results of your metal.

The newly developed readout scans CCDs 30 times faster than previously, leading to shorter measurement times. The faster time-to-result improves your efficiency and increases your profitability.



*Q4 TASMAN optical emission spectrometer for metals analysis*