

The new class for your metal analysis

SIMPLICITY MEET EFFICIENCY

Belec Spektrometrie Opto-Elektronik GmbH again raises the standards in the compact analyzer class. The all new model belec OPTRON guarantees an unbeaten performance using a unique compact spectrometer design. It is used in the traditional foundry business as well as in incoming inspection or the recycling industry. Any metal processing company can take advantage of the very attractive price to performance ratio.

New



The OPTRON surprises with multifunctionality:

There are virtually no limitations as far as the numbers of analytical programs is concerned, even with its small footprint the belec OPTRON will surprise you with neat accuracy and precision. Be it a single- or multi-base operation, the belec OPTRON is your ideal companion for your quality assurance.

Possible Matrixes

- Fe, incl. Cast Iron
- Al
- Cu
- Ni etc.

Applications

- Foundry
- Goods receiving
- Production Control
- Recycling industry

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By using pre-set and easy selectable operator functions like standard analysis, type corrected measurement or grade check, it guarantees the fulfillment of all the requirements of modern metal analysis.

The integrated dynamic grade database is standard in the OPTRON like in all belec spectrometers.

Product Highlights

- Multi-Matrix capable
- Plug and play operation
- Analysis in 10 Seconds
- Near Maintenance free operation
- Small footprint and weight
- Very cost effective

TECHNICAL DATA

Software

- Reliable and well proven Analysis- and Quality Co Program BelecWin21
- Customer specific Measuring programs
- Automatic grade identification
- Integrated, dynamic alloy database

Optics

- Compact-spectrometer with Flat-field CCD Detectors, argon flushed for UV elements
- Wavelength range: 170 – 420 nm
- MCDC System (Multi-Matrix-Channel Drift Correction)

Sparking Stand

- Open sparking stand with minimum argon consumption, near maintenance free
- Adapter for wires, tubes etc. – Pneumatic sample clamp

Source

- Max.400 Hz frequency
- Unipolar discharge

Power Supply

- 230 V/50 Hz or 115 V/60 Hz
- 20 W/Stand-by, 500 W/Analysis

Dimensions

- W: 300 mm, H: 400 mm, D: 550 mm
- Weight: 23 kg

Computer

- System-integrated PC-System
- 250 GB SSD
- Windows 11 IoT Enterprise
- Ext. Monitor, Keyboard, Mouse
- Several interfaces

*Modifications reserved.



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