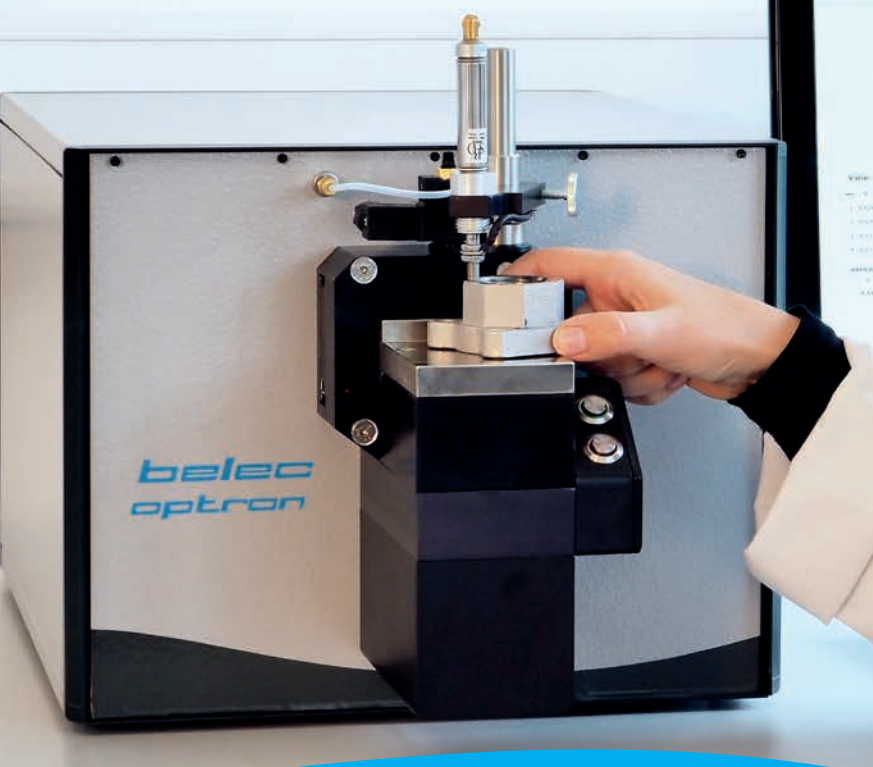# The new class for your metal analysis
SIMPLICITY MEETS EFFICIENCY

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 double 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.

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
– Recyclingindustry

belec OPTRON
The new class for your metal analysis

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 as in all belec spectrometers. With any analysis the software identifies the according grade name, be it according to German, European, USA or any other international norms. It can be extended without limitations and of course customized to your own specifications.

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 Control Program BelecWin21
— Customer specific Measuring programms
— Automatic grade identification
— Integrated, dynamic alloy database

Optics

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

Source

— Max. 400 Hz frequency
— Unipolar discharge

Sparking Stand

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

Dimensions

— Width 13.4 in. (340 mm)
— Height 10.6 in. (270 mm)
— Depth 17.1 in. (435 mm) plus 6.1 in. (155 mm) for sparking stand
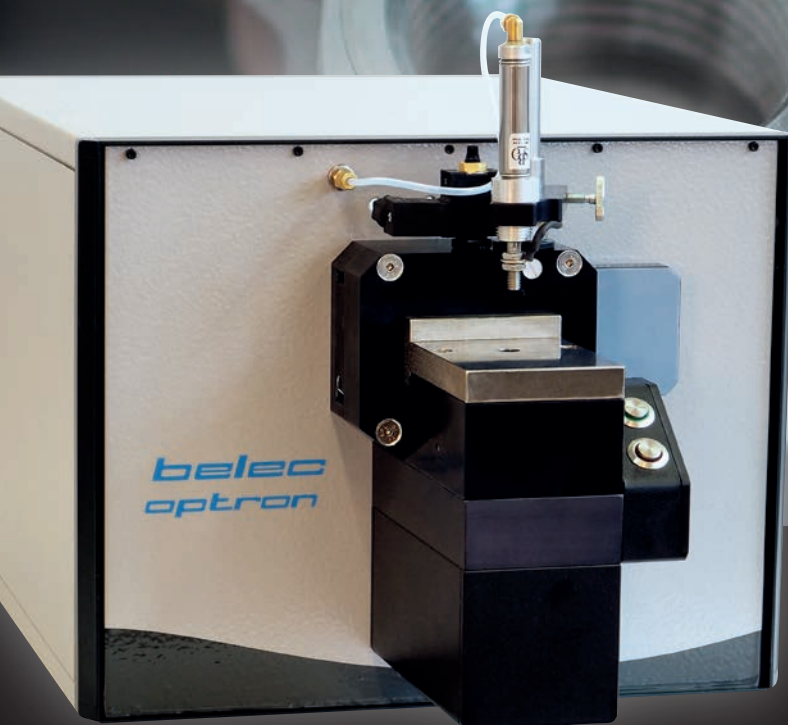— Weight 55.1 lbs. (25 kg)

Power Supply

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

Computer

— System-integrated PC
— Intel Core Duo T7400 (2,16 Ghz,4MBBL2)
— Ext. Monitor, Keyboard, Mouse
— Several interfaces

Subject to technical modifications

belec OPTRON

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