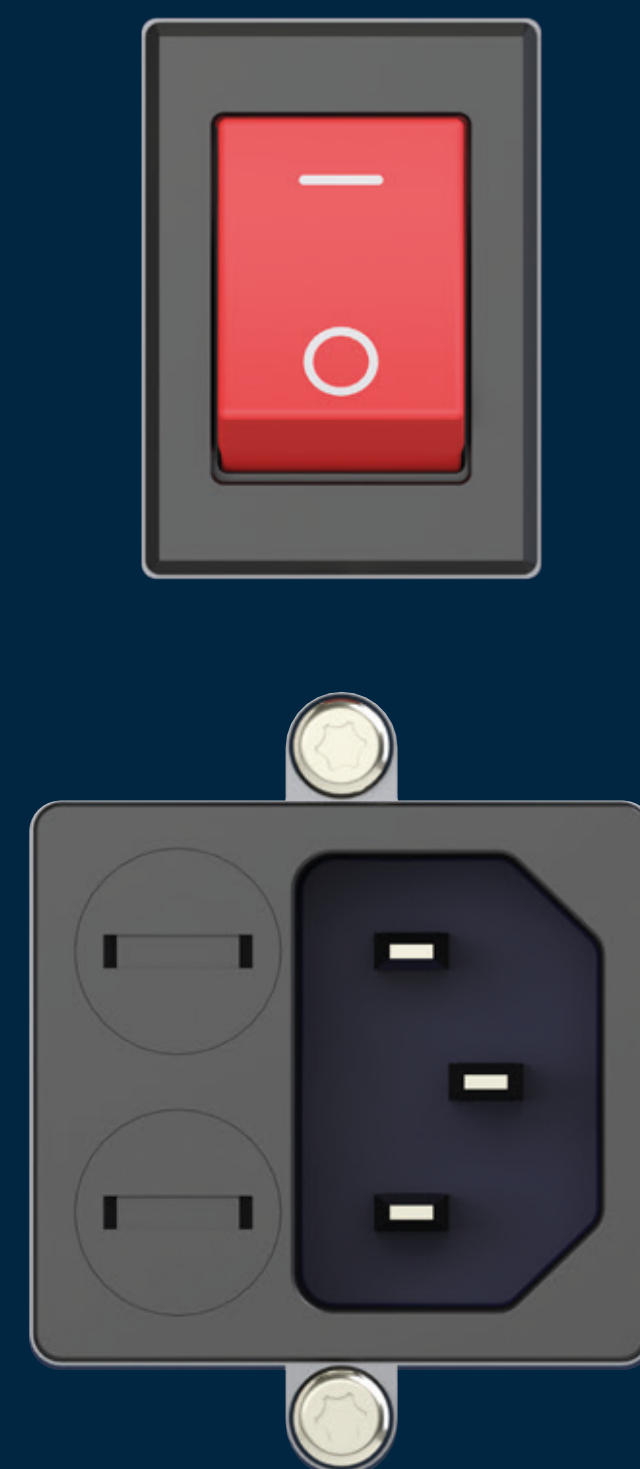
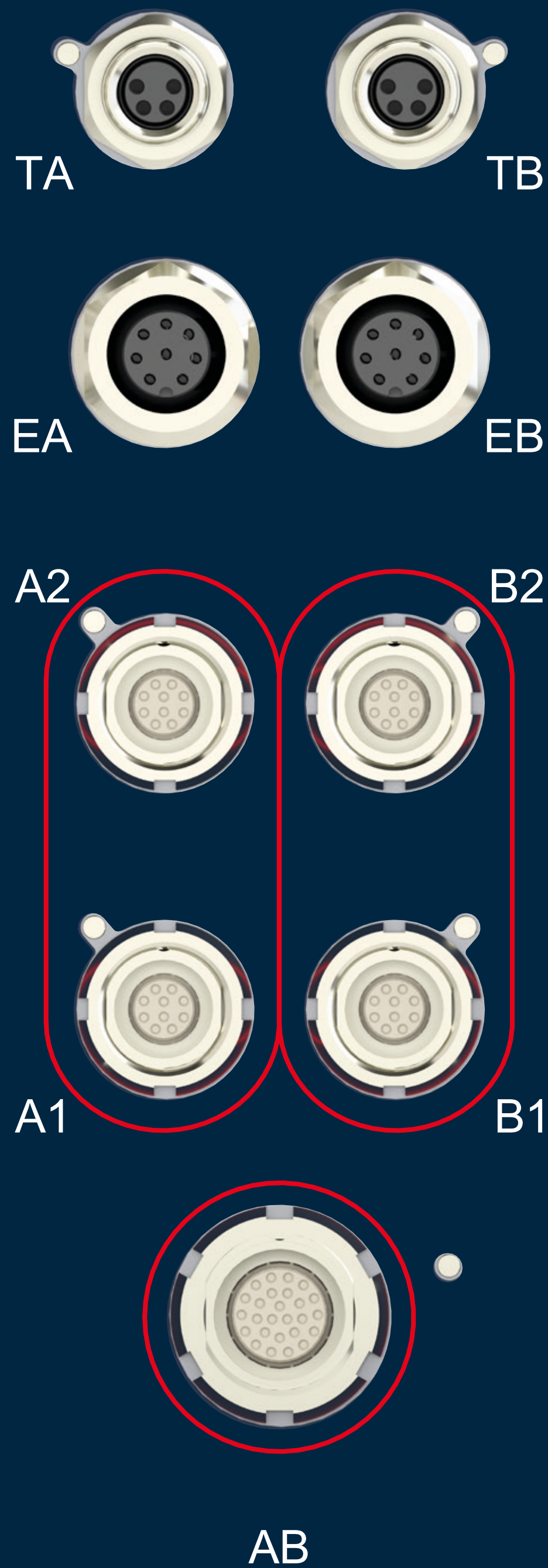
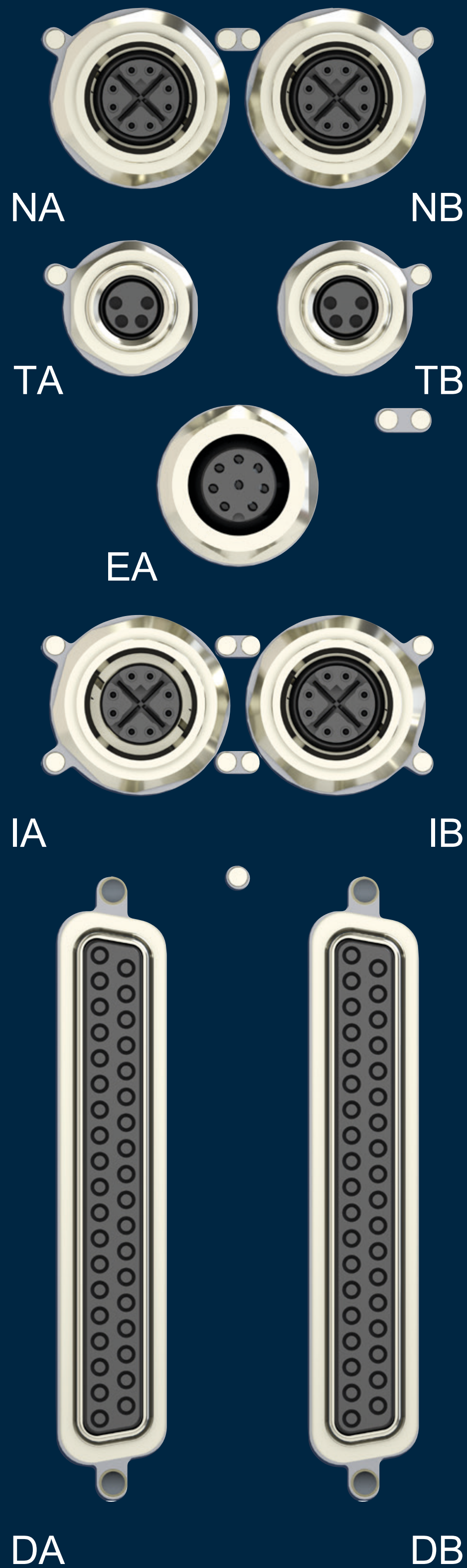
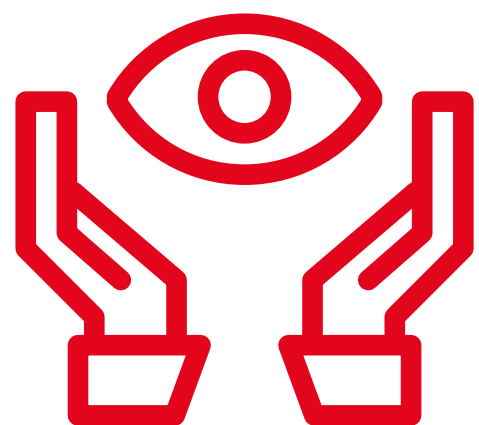


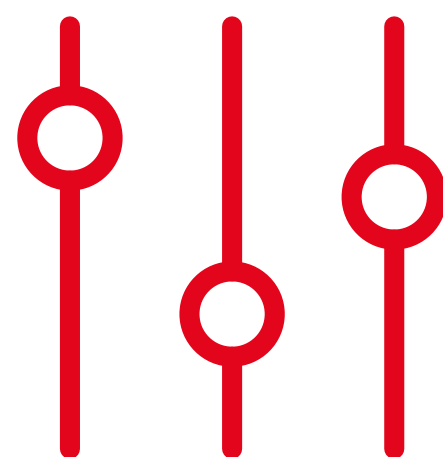


eddyguard[®]
neo

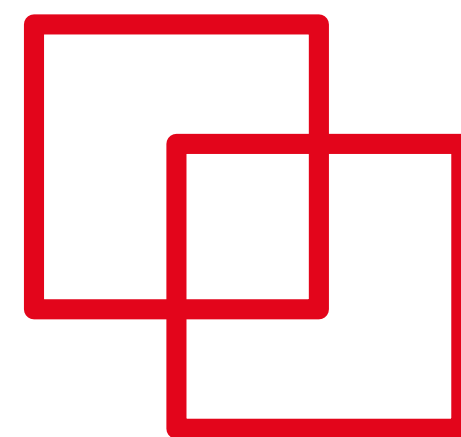
New ibg Core Technology means



High detection
sensitivity



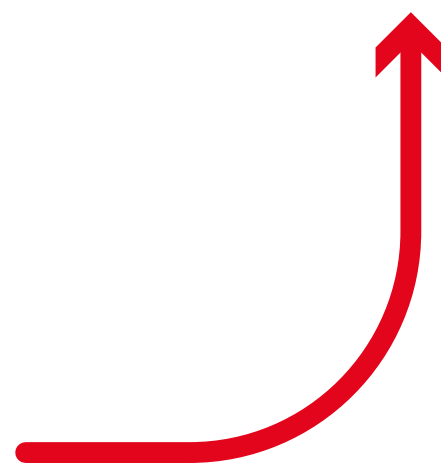
Modern and most
intuitive user-interface



Radically
easy-to-integrate



Multi-device and
remote control



Advanced
traceability



Rugged
housing

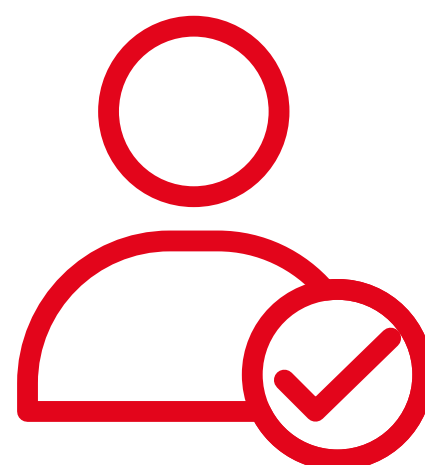
+ hardness prediction by AI¹

... for best-in-class performance and usability for structure testing.

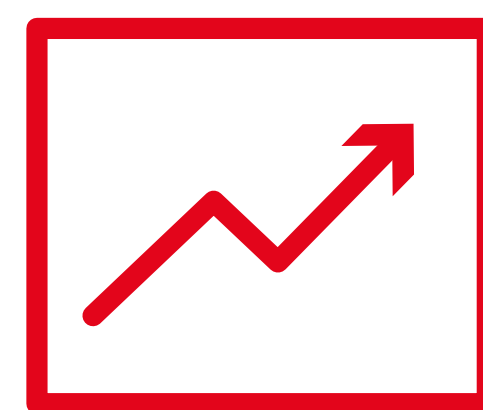
New ibg Core Technology



Making machine
integration easy



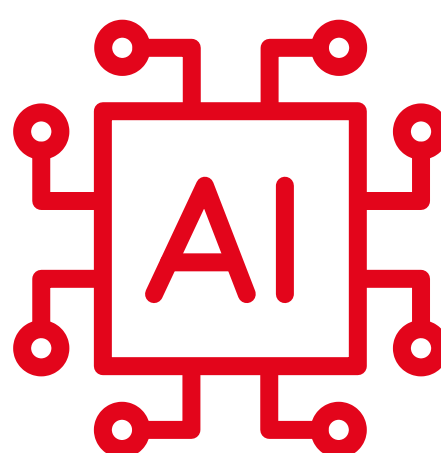
Making it simpler
for the end-user



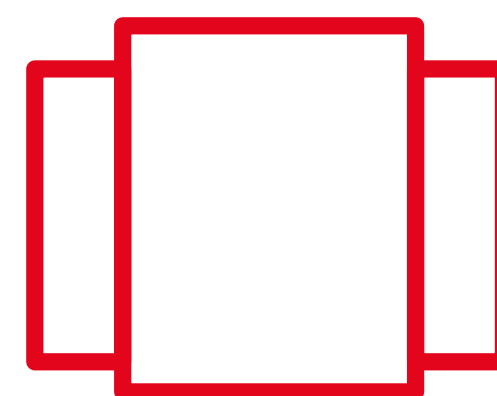
Raising sensitivity
of testing



Full traceability and
better communications

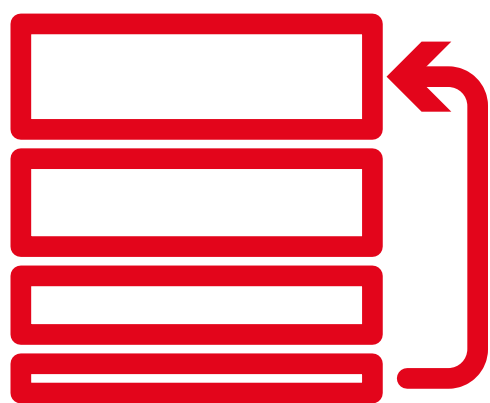


Optional: Predicting
case depth with Ai¹

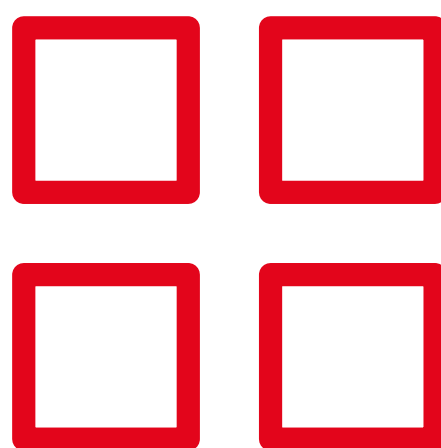


Available in
three versions

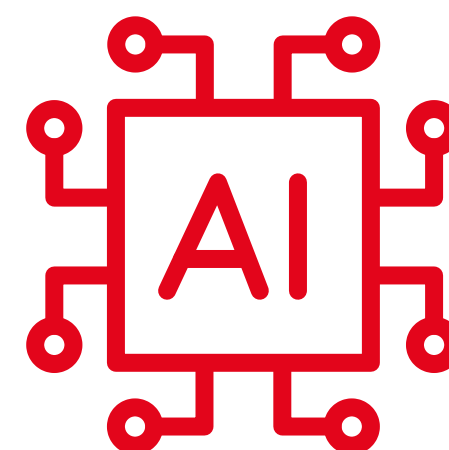
Application-specific configurations available



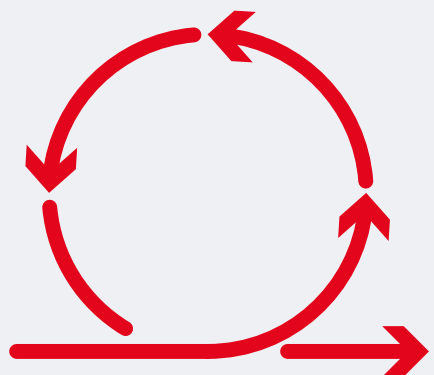
SORT
for basic but
reliable sorting
applications



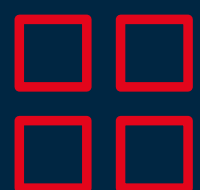
UNIVERSAL
for standard
sorting requiring
speed, iPMFT,
iSHA and
additional
ibg features



Ai-ADVANCED
for single position
prediction of
hardness
(surface & depth)
for defined
part families¹



Sensing/Processing



FEATURE

Extended part type management¹

Eight high-speed sequenced frequencies (iPMFT)¹

Two simultaneous harmonics, selectable from 2x to 9x (iSHA)¹

Advanced processing and evaluation of lower signals from sensor

Accelerated low frequencies stipulation and analysis, faster signal separation

Additional Ai prediction¹



BENEFIT

- Extended number of part types
- Rapid change of part types during testing

- Preventive separation of OK from NOK beyond masterdefects
- Rapid machine learning on a small range of regular parts (good-part teaching)
- Reducing magnetization effects of eddy current testing

- Flexible adjustment to application needs in addition to the recommended presets
- Advanced separation of OK from NOK parts based on harmonics
- Rapid testing of parts across base frequency and the two harmonics, using only the one run-through time of the base frequency

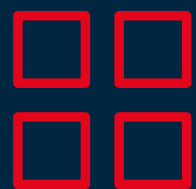
- Additional temperature stability
- Higher frequencies usable for probes with lower interference

- Low frequency testing in high-speed testing application

- Optional Ai prediction of hardness values as CDP, SHP - on one position



Ease of Use | Traceability



FEATURE

Improved ibg user interface

Auto-adjust to different screen sizes and resolutions

Additional dark mode

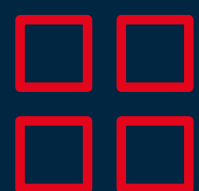
Integrated data storage

ID-tagged sensors



BENEFIT

- Intuitive use and less training needs
- Optimal visualization on all screen-formats (highest resolution of visualization of all screen formats)
- Easy visibility under different light situations
- Internal storage for easy tracing and robustness against network breakdowns
- Sensor specific presets of test setup, thus simplifying and ensuring proper sensor installation
- Warning and tracking on the use of non conform sensors for advanced traceability



FEATURE

Multi-device remote control

Distributed control functionality

Ethernet

Industrial Ethernet²

Classic 24V I/O Connectors



BENEFIT

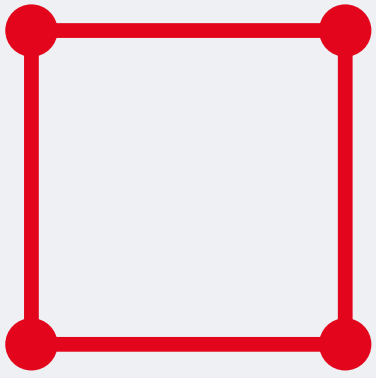
· Up to 25 eddyguard neo S managed by two PCs, Tablets or Systems (25/2)¹

· Direct access to all functions of the controller in real time over network

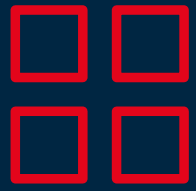
· Network based connection between controller and HMI / PC for more easy integration
· Robust against external interferences
· No cable length restrictions for more easy design and installation

· Advanced Protocol for industrial integration for Industry 4.0 environments

· Retrofit, simple and easy cabling



Housing



FEATURE

**Smaller, compact housing,
DIN Rail Mount**

**Optimized passive cooling
design**

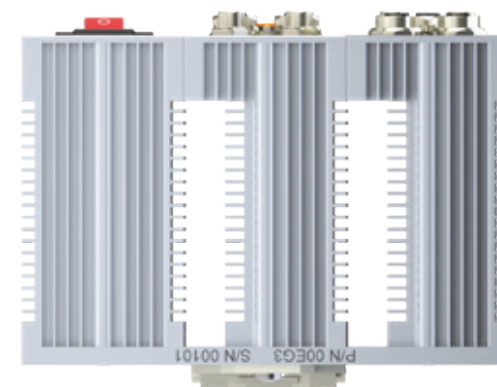
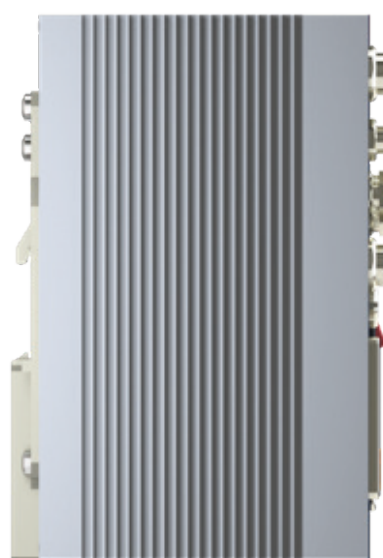
**Modular and protected
component design**

IP64 Classified



BENEFIT

- Easy to design and install
- Up to 45° Celsius temperature
- Easy exchange of components
- Well protected, no need for protective housing





Family of ECT/ET controllers

Sensing/Processing
Connectivity
Speed

	SORT	UNIVERSAL	Ai-ADVANCED
Extended part type management	50 Part Types	100 Part Types	100 Part Types
Preventive Multi-Frequency Testing by ibg (iPMFT)	4 frequencies with limited iPMFT	8 frequency iPMFT	8 frequency iPMFT
Two selectable and simultaneous harmonics from 2x to 9x (iSHA)	base frequencies without harmonics	base frequencies and 2 harmonics	base frequencies and 2 harmonics
Additional Ai prediction	✗ No upgrade possible	✗ No upgrade possible	✓
Multi-device remote control	25 devices 1 user interface	25 devices 2 user interface	25 devices 2 user interface
Test speed	300 parts/minute (200ms/part)	600 parts/minute (100ms/part)	600 parts/minute (100ms/part)
Time for part type switchover	10 seconds	5 seconds	5 seconds

¹ Depending on version
² To be updated till Q4/2026

ibg Headquarter & Germany

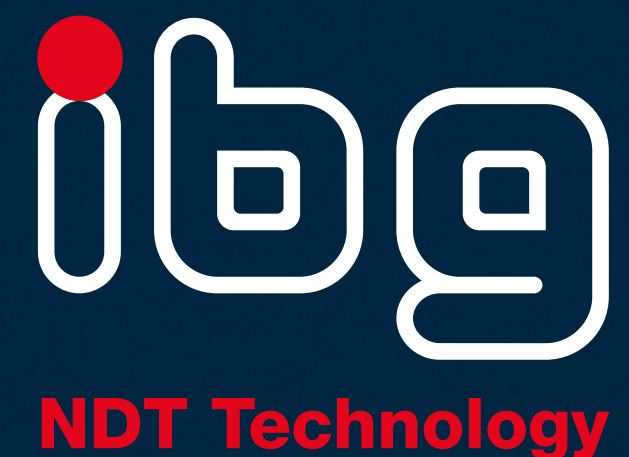
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