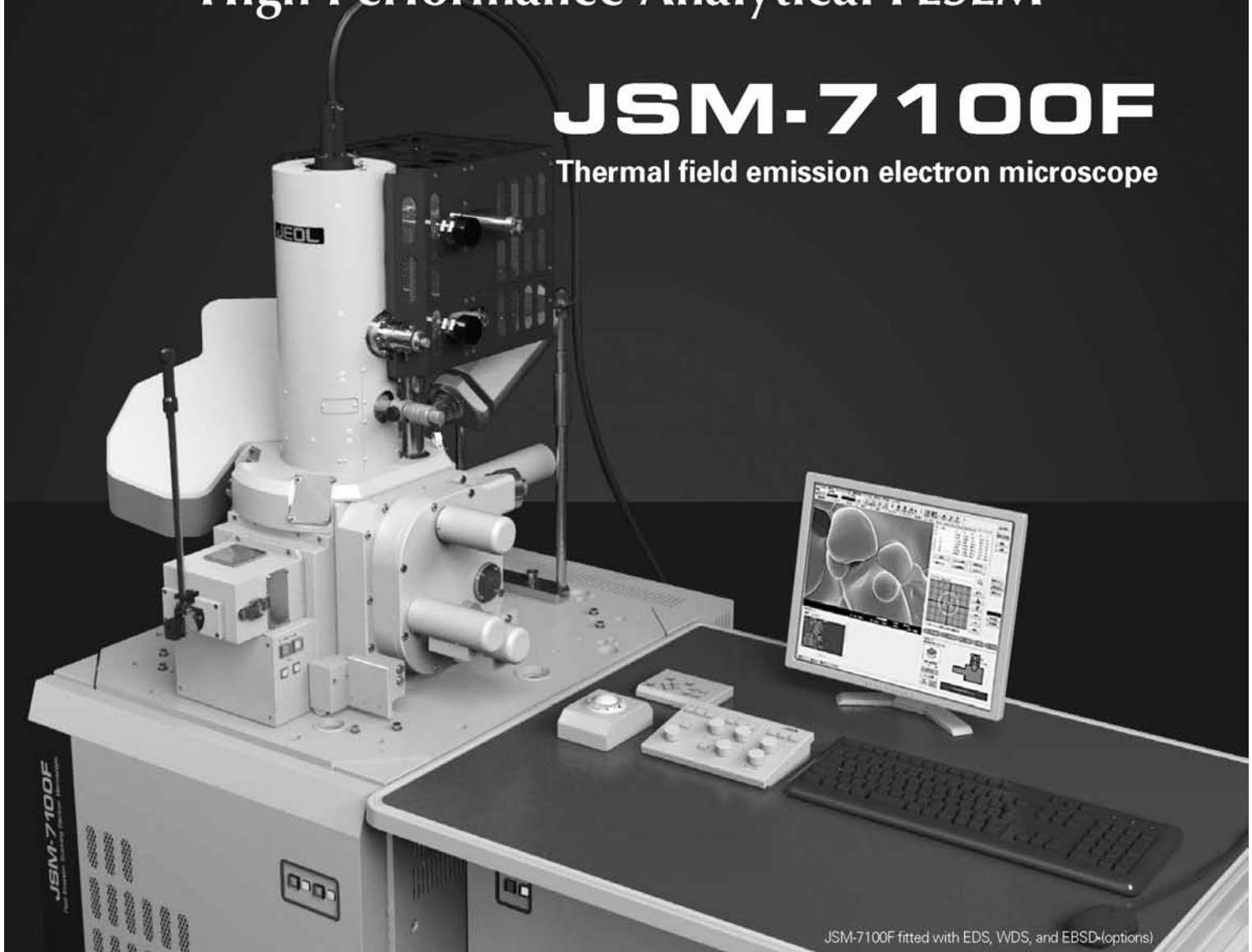


High Performance Analytical FESEM

JSM-7100F

Thermal field emission electron microscope



JSM-7100F fitted with EDS, WDS, and EBSD (options)

Observation and analysis of nano structures

Observation of nano-structures

The unique high power optics of JSM-7100F guarantees 1.2nm resolution. High magnification for the study of nano-structures is easily obtained.

Stable high precision analysis

The in-lens thermal FEG produces a stable large probe current. You can obtain high quality observation and analysis results. The emitter is guaranteed for 3 years.

Magnetic specimens

The objective lens of the JSM-7100F does not form magnetic field around a specimen. Magnetic specimens can be observed and analyzed without restriction.

Analysis of nano-structures

A small probe diameter is obtained with the patented aperture angle optimizing lens. You can acquire high precision analyses and high quality elemental maps in a short time by using a large probe current.

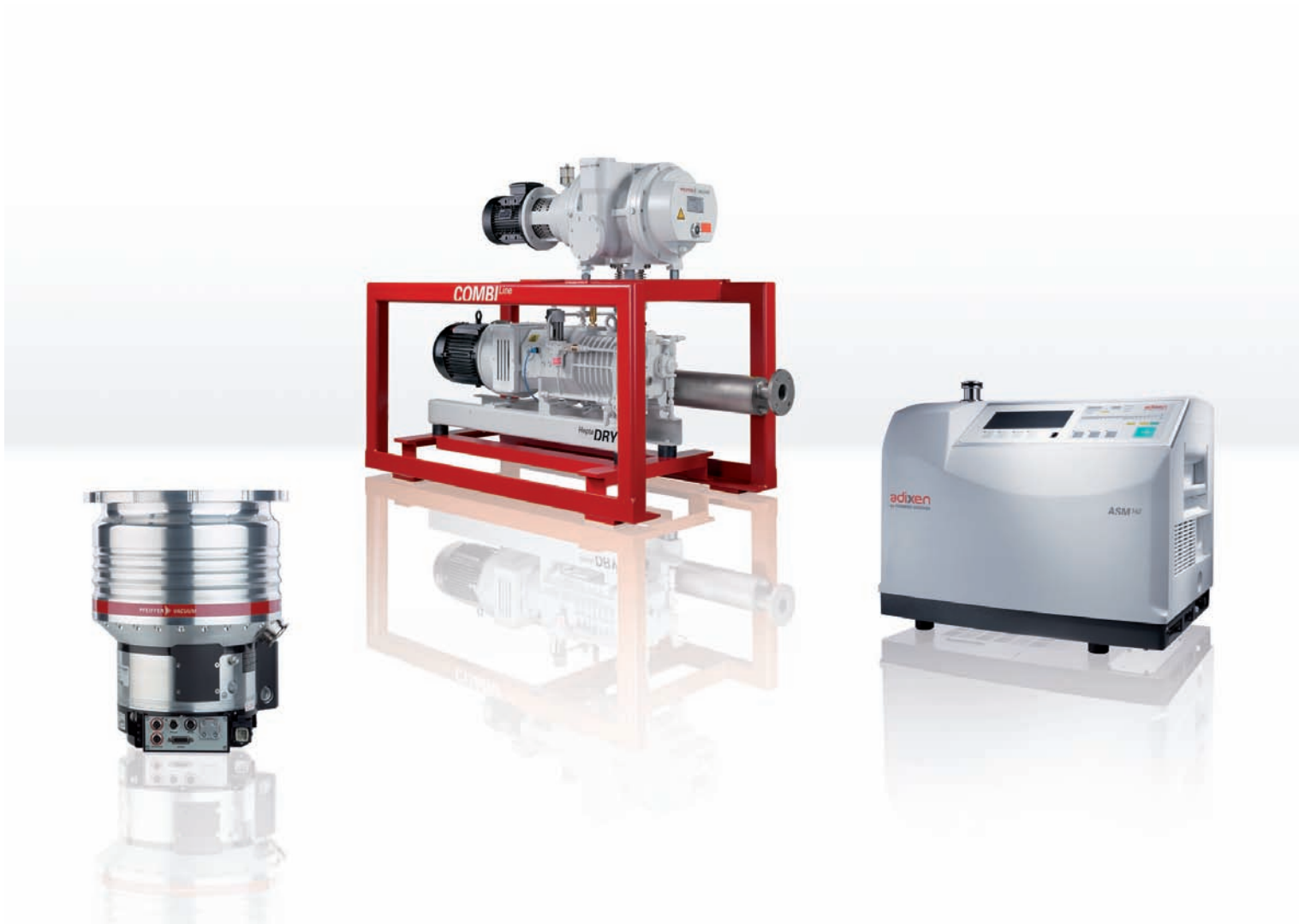
A variety of analytical equipment including EDS, WDS, and EBSD can be mounted with their ideal geometry.

Clean vacuum

A specimen is introduced through the specimen exchange airlock chamber. The specimen chamber is always kept in a clean high vacuum. The unique one action specimen exchange mechanism lets you insert and remove a specimen with a simple operation. The specimen chamber is pumped with a TMP.



SCAN d.o.o., Predvor
Nazorjeva 3 · SI-4000 Kranj · Phone +386-4-2750200
Fax +386-4-2750420 · info@scan.si



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SCAN d.o.o. Preddvor

T +386 4 2750200 · F +386 4 2750240 · info@scan.si

Pfeiffer Vacuum Austria GmbH

T +43 1 8941704 · F +43 1 8941707 · office@pfeiffer-vacuum.at

www.pfeiffer-vacuum.com

