



OmniVac

Surface Analysis and Vacuum Technology

X-Ray Source

XRS 100



The OmniVac XRS 100 X-Ray Source offers high intensity X-ray radiation ideally suited for XPS experiments

■ long life anodes

■ for XPS experiments

■ twin anode Al/Mg

■ high intensity

■ minimal crosstalk

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XRS 100 X-Ray Source

The **OmniVac XRS 100 X-Ray Source** offers high intensity X-ray radiation ideally suited for XPS experiments.

The copper cooling finger and head are fully water cooled.

The head offers the possibility for internal alignment which allows for a better adjustment of the X-ray spot to the optical axis of the energy analyzer.

The whole setup is trimmed to small diameters enabling the possibility of supplementary external alignment of the whole source.



XRS 100 X-Ray Source

<i>Design</i>	Mg/Al twin anode (other materials on request)
<i>Power</i>	300 W (Mg) resp. 600 W (Al)
<i>Crosstalk</i>	< 0.4 %
<i>Mounting flange</i>	DN 40 CF
<i>Bakeable</i>	up to 250° C
<i>Water cooling</i>	Anode and anode housing, 3.5 l/min

► custom anodes
(e.g. Ag)

► crosstalk < 0.4%

► full water cooling
(< 5 temperature
increase)

► custom length

► low magnetic field
(< 5 µT at sample)

PS-XRS 100 High Voltage Supply

<i>Power</i>	300/ 600/ 1200 W
<i>Display</i>	Emission current, anode voltage
<i>Interlocks</i>	High Voltage, vacuum, water flow
<i>Dimensions (W x H x D)</i>	19" x 132 mm x 495 mm

CS-XRS 100 Isolation Unit

<i>HV Protection</i>	Shielding for connectors, conduits for water pipes
<i>Display</i>	Water flow, pressure

Related products:

XRM 100 X-Ray Monochromator
FS 100 Food Source

Anode refurbishing service
Z-retarding & tilt alignment



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