



High Voltage Solutions for Analytical X-Ray

Spellman offers an extensive line of high stability standard and custom products for analytical X-Ray applications.

DIFFRACTION

FLUORESCENCE

MICROFOCUS

Spellman is a world-leading provider of X-Ray Generators and Monoblock[®] X-Ray Sources with a vast portfolio of standard and custom product offerings for Analytical X-Ray applications.

High voltage solutions are available to drive most industrial X-Ray Tubes for a variety of market applications. These solutions include low-power modules for handheld and portable XRF systems, higher-power for bench top and stand-alone XRF/XRD, and Microfocus X-Ray for high-resolution inspection.



10W-4kW — 10kV-320kV

Low Ripple, Low Stored Energy

Global Sales and Service

High Voltage Innovation Since 1947

Custom Solutions for OEM Applications



Spellmanhv.com/Analytical-X-Ray



X-Ray Generators for Diffraction and Fluorescence

Model	Max Power	Max Voltage (negative)	Filament (floating on output)
MFX	50W-75W	50kV-65kV	5Vac @ 4A
XRF	80W-640W	160kV	7Vac @ 5A
DXB	300W-1.2kW	40kV-320kV	10Vac @ 5A
DXM	300W-1.2kW	20kV-160kV	10Vac @ 5A
XLF	600W-1.2kW	30kV-60kV	12Vac @ 5A
DXM100	1.2kW	100kV	10Vac @ 5A
DF	3kW-4kW	60kV	12Vac @ 5A

Model	Max Power	Max Voltage (positive)	Filament (ground referenced)
XLG	3W-260W	30kV-130kV	3Vdc @ 3A or 9A
XMPG	10W	10kV	3Vdc @ 5A
μX	50W-75W	50kV-65kV	5Vdc @ 3.5A
MNX	50W-75W	50kV-65kV	5Vdc @ 3.5A
μXHP	100W	50kV-80kV	5Vdc @ 3.5A
DXM	300W-1.2kW	20kV-160kV	10Vdc @ 5A
FF	3kW-4kW	60kV	12Vdc @ 5A

Monoblocks[®] for Microfocus

Model	Max Power	Max Voltage	Nominal Focal Spot
XR B011	20W-50W	80kV	33μm
μXR B130P65	65W	130kV	7μm/8μm (narrow/wide beam options)

X-Ray Sub Systems

System matched, integrated, tested, and warranted... all from One Source

DXM Sub Systems

0.3kW - 1.2kW X-RAY SOURCE SOLUTIONS

Tube, generator, HV cable(s), cooler... fully integrated and tested at Spellman High Voltage

Assembly ready; "Plug And Play" out of the box

Cables, hoses, fittings all part of the packaged system

One purchase order

One phone call to Spellman for support

The sub system shown is just a representation of typical components available from Spellman High Voltage.

Custom sub systems may contain alternative tubes and/or peripherals specific to requirements and applications.

Contact Spellman sales for more information.

