## 60kV and 70kV MAGPRO®

12W powerful monoblock end-window sources



TUB0014X/0015X 60 kV and 70 kV MAGPRO® end-window

**Applications** 

- X-ray imaging (CT), fluorescence (XRF) and diffraction (XRD)
- Metal and alloy sorting
- Material structure properties
- Mining and geology
- Environmental analysis
- Lead in paint
- Regulatory (RoHs and WEEE)
- Art and archaeometry
- Small animal imaging
- Security and radiographic inspection

MOXTEK 60 kV and 70 kV MAGPRO® X-ray sources are designed for portable and benchtop X-ray instruments. Their focal spot size is ideal for X-ray imaging and mapping applications with full configuration versatility.

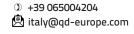
ME	MECHANICAL SPECIFICATIONS				
Tu	Tube type: metal-ceramic				
Ор	Operating temperature: -10°C to +50°C				
Sto	Storage temperature: -20°C to +85°C				
Co	Cooling: forced air				
We	eight: ~850-900 g				

## **TECHNICAL SPECIFICATIONS**

MOXTEK 60 kV and 70 kV MAGPRO® X-ray sources are designed for portable and benchtop X-ray instruments. Their focal spot size is ideal for X-ray imaging and mapping applications with full configuration versatility.

	60 kV XRF W/COLLIMATOR	70 kV IMAGING W/COLLAR	70 kV XRF W/COLLIMATOR		
Available targets	Ag, Mo, Rh, W	Ag, Cr, Cu, Mo, Rh, W			
HV polarity	Grounded anode				
High voltage	Up to 60 kV	Up to 70 kV			
Beam current (depends on target)	10 μA to 1000 μA (@ 5 kV)	10 μA to 240 μA (@ 50 kV)	10 μA to 300 μA (@ 40 kV)		
Maximum power	12 W				
Input power	24 VDC, 1.1 A				
Typical focal spot	~400 µm	~500 µm			
X-ray cone angle	~48°	~86°	~48°		
Maximum radiation leakage	2 mR/h @ 50 mm	2 mR/h @ 50 mm	10 mR/h @ 50 mm		
Average lifetime	2000 operating hours				







## **MAGPRO® TUBE CONFIGURATION**

	Suggested	TUB#	Angle	Control type	Target available
	application		У		XXX
	XRF		Straight (S)	Analog (A)	
60 kV	W/COLLIMATOR	TUB0014X-XXX	60° deg (6)	I <sup>2</sup> C (I)	Ag, W, Mo, Rh
			90° deg (9)	SPS (S)	
	IMAGING	TUB00153-XX-XXX	Straight (S)	Analog (A)	Ag, W, Cr, Cu, Mo, Rh
70 kV	W/COLLAR		60° deg (6)	I <sup>2</sup> C (I)	
	W/COLLAR		90° deg (9)	SPS (S)	
	XRF W/COLLIMATOR	TUB00154-XX-XXX	Straight (S)	Analog (A)	
70 kV			60° deg (6)	I <sup>2</sup> C (I)	Ag, W, Cr, Cu, Mo, Rh
			90° deg (9)	SPS (S)	

## MAGPRO® MECHANICAL DRAWINGS

