

JME ADVANCED INSPECTION SYSTEMS

# comet

## x-ray

# SMART EVO

WATER-COOLED



## comet SMART EVO WATER-COOLED

PIPELINE CRAWLERS • BETATRON PORTABLE X-RAY • DIGITAL RADIOGRAPHY

Special inspection jobs, like in confined spaces or with 24/7 operation in extreme temperatures, may require special solutions. The water-cooled SMART EVO directional X-ray system, offers 24/7 operation in ambient temperatures up to 30°C.

### BUILT TO LAST

IT'S ROBUST AND RELIABLE

The SMART EVO systems are comprised of the best components and assembled with the utmost care - making them reliable, long lasting and a sound investment. They are fitted with a high quality metal ceramic X-ray tube and the robust composite casing now protects all vital parts even better. The systems meet the IP65 standard, making them fully operational in dusty and wet conditions.

### SMARTER WORKFLOW

IT'S LIGHT-WEIGHT AND EASY TO HANDLE

All directional SMART EVO tube heads are available in a hybrid cooled version, based on a water-cooled anode combined with an air cooled cathode end. The EVO series directional tube heads are available in 160-300 kV versions, all available with 1.0 mm small focal spot and the 225-300 kV variants also with 3.0 mm focal spot, in order to cover a broad range of applications.

### HIGH PERFORMANCE

DUE TO ITS TECHNICAL CAPABILITIES

The hybrid cooling concept features 24/7 continuous exposure at up to 900 W X-ray output power, in up to +30°C - making the SMART EVO water-cooled series a perfect choice for integration into product lines with 24/7 operation, in confined spaces without free airflow for cooling, or in extreme climatic conditions where long term exposures are required.

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PRODUCT RANGE



SMART EVO 200P / 300P



SMART EVO DIRECTIONAL



XPO EVO DIRECTIONAL



SMART EVO WATER-COOLED



Y.XMB



PROUDLY SUPPLYING THE NDT INDUSTRY FOR OVER 35 YEARS

# JME

ADVANCED INSPECTION SYSTEMS

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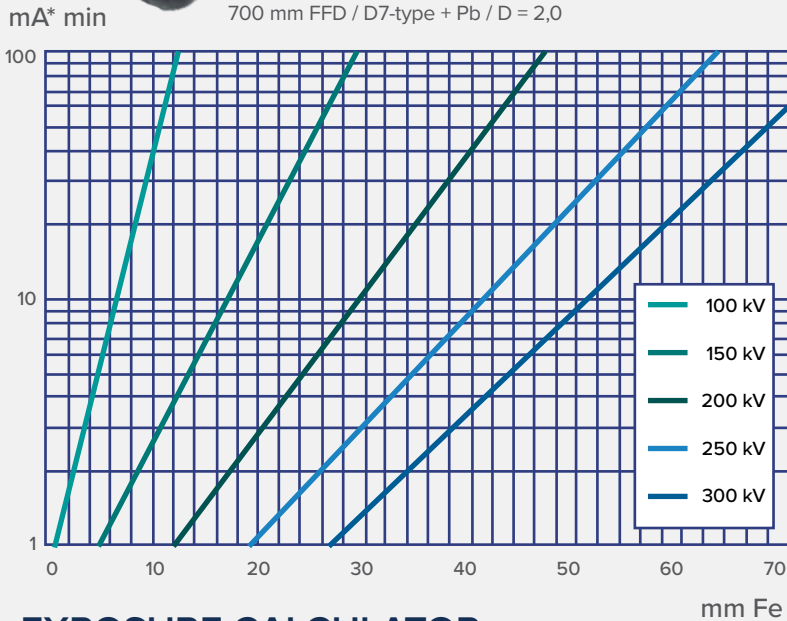
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**Fe EXPOSURE DIAGRAM**  
700 mm FFD / D7-type + Pb / D = 2,0



## EXPOSURE CALCULATOR

The advanced built-in exposure calculator in the CONTROL EVO ensures fast exposure calculations, as well as uniform results and optimised exposure times. It accommodates the use of a wide range of films, materials and settings.

## POWER SUPPLY

The AC-mains voltage range spans from 85 to 264 VAC and from 45 to 65 Hz, supporting global operation. The improved power factor correction module ensures stable operation, where AC-mains are unstable.

## OPTIONS

The right set of accessories is important to make your workflow even smarter. A tube stand and other accessories are available, making the X-ray systems versatile, flexible and suited for most applications.

## CERTIFICATES

CE (Low voltage EN 61010-1, EMC 2004/108/EC, Machinery EN 60204-1). DIN 54113.

## EXCLUSIVE UNITED KINGDOM DISTRIBUTOR

From the early days of Andrex and SMART systems, Comet's product range has been built on an excellent reputation for innovation, reliability and performance. Power options range from 160 to 300kV; this combined with light weight construction and an intuitive user interface means there is an Comet X-ray generator to suit every application.

JME have been manufacturing high quality NDT products since 1986 and are proud to be the UK exclusive distributor for Comet products. JME have Comet trained technical staff on hand to ensure support is always available. JME offers the complete Comet range of X-ray products and our knowledgeable sales team will handle all of your enquiries efficiently.

## TECHNICAL SPECIFICATIONS

Specifications dependent upon model - view specifications at [www.jme.co.uk](http://www.jme.co.uk)

	EVO 160DW	EVO 300DSW
<b>Weight</b>	24 kg	- 31kg
<b>Height</b>	611 mm	- 774 mm
<b>Focal Spot Size EN 12543</b>	1.0 mm	- 1.0 mm
<b>High Voltage Adjustment</b>	20-160 kV	- 50-300 kV
<b>mA Adjustment</b>	0.5 - 7.0 mA	- 0.5 - 4.5 mA
<b>Max X-Ray Power*</b>	750 W	- 900 W
<b>Beam Angle</b>	40° x 60°	- 30° x 60°
<b>Leakage Radiation</b>	Max. 2.0 mSv/h	- Max. 5.0 mSv/h
<b>Environment</b>	IP65	
<b>Temperature Range</b>	-20°C to +50°C	
<b>Cont. Exposure 30°C, MAX kV, MAX mA</b>	Continuous	

## SALES AND MANUFACTURING

+44 (0)1502 500969 - [sales@jme.co.uk](mailto:sales@jme.co.uk)



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