

**BALTOGRAPH XSD225/4KW**



High voltage range:	<b>5 to 225 kV</b>
Tube current range:	<b>0,1 to 30 mA</b>
Focal spot size:	<b>From 0,2 x 0,2 to 3 x 3</b>
Max. output power:	<b>4000 W</b>
Anode cooling type:	<b>Water</b>
Duty cycle:	<b>100%</b>
Insulation:	<b>Encapsulated</b>
Voltage:	<b>230 V</b>
Operating temperature:	<b>45°C</b>
Weight:	<b>109 kg</b>
Tubehead:	<b>Metal Ceramic</b>
Control unit:	<b>LS1</b>

**MAIN FEATURES**

- High frequency constant potential generator
- « Ripple free »
- High duty cycle
- Output power up to 4000W
- Current up to 30 mA
- Metal-ceramic tube
- Stationary or mobile unit
- Full automatic preheating
- Very stable output
- Safety first, X-ray start with 2 buttons
- Low consumption

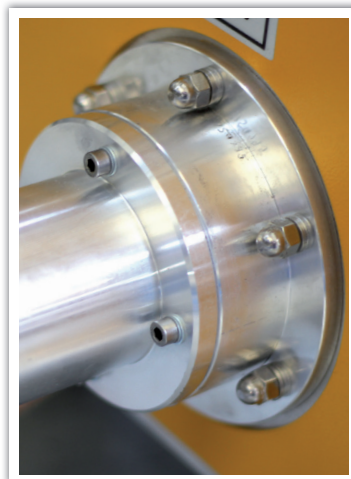


**KEY ADVANTAGES**

- Very reliable
- Powerful, steadiness & sturdiness
- Solid insulation HV module : more convenient for the maintenance
- No gas and no oil to isolate
- Can be turned into panoramic or directional x-ray equipment
- Can drive up to two individual filament
- Can be combined to a RS232 interface
- CANON military metallic connectors

**MOST COMMON APPLICATIONS**

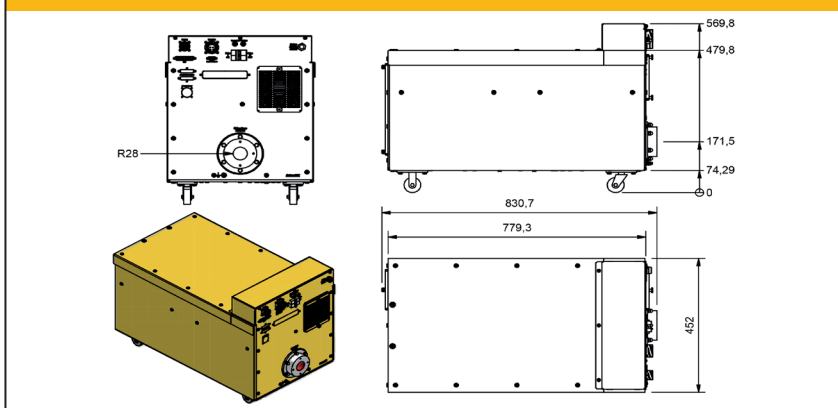
- Oil & Gas
- Energy
- Aeronautical/ aerospace
- Transport
- Military
- Bio-medical & agriculture
- And much more



*The XSD225/4KW is probably the best compromise in power and size for medium thickness applications. Completely renewed during summer 2014, it keeps all previous features but has been made with the latest available components, reduced in size, weight and the most important, is more powerful, offering 4000W. Able to be operated as down as 5 kV where you will use it for composite and light alloys applications, at full power, you will be able to get radiographies of medium walled steel castings with incomparable qualities.*

*The XSD225/4KW is a very powerful, stable and sturdy unit that can be used as a mobile unit or as a fixed one in any customized systems for production. A very large variety of tubeheads is available and the unit can then be easily turned into a Panoramic or a Directional X-ray equipment.*

**MECHANICAL DRAWING**



*Combined to our computerized control panel (LS1 series), it can be integrated in any environment, can replace the majority of existing units without big changes or any, or can be installed as a single end unit, stationary or mobile (XMD).*

**INTERNATIONAL**

- CE certified
- NFC74-100 LCIE Certified
- Manufactured under ISO9001

Specifications	Units	XSD225/4KW
High voltage range	kV	5 - 225
Tube current range	mA	0,1 - 30
Focal spot size (IEC336)		From 0,2 x 0,2 to 3 x 3
Ripple		0,1% PP
Maximum output power	Watt	4000
Frequency	Hz	47 - 63
Current	A	18
Steel penetration at max (*)	mm	54
Working temperature	°C	0 to 45°C
Anode cooling type		Water
Duty cycle	%	100%
Insulation		Encapsulated
Voltage	V	230 (-15% +10%)
Weight	Kg	109
Tubehead		Metal-Ceramic
Control unit:		LS1

\* FFD= 700mm/Film Carestream Industrex AA400/D=2.0/t=10min.



## LS1

- kV step: **1 - 2 - 5**
- mA step: **0,1 - 0,2 - 0,5**
- Memories: **10.000**
- Casing: **Aluminium**
- Frequency: **45 - 66 Hz**
- Mains: **90 - 245 V**
- Weight: **4,8kg**

### STANDARD EQUIPMENT

- X-Ray generator : XSD or CLD
- Tubehead : TSD or TSC
- Control unit : LS1 or LS1C
- A cable from the generator to the control panel
- A main power cable



## LS1-C2

- kV step: **1 - 2 - 5**
- mA step: **0,1 - 0,2 - 0,5**
- Memories: **10.000**
- Casing: **Aluminium**
- Frequency: **4 5 - 66 Hz**
- Mains: **90 - 245 V**

### OPTIONAL EQUIPMENT

- Warning flashing light with 20 m cable
- Closed circuit type water cooling unit
- Water security box



# Russell Fraser Sales Pty Ltd

Unit 7/38 Waratah St  
Kirrawee NSW 2232

Ph: (02) 9545 4433  
Fax: (02) 9545 4218

Email: [rfs@rfsales.com.au](mailto:rfs@rfsales.com.au)  
Web: [www.rfsales.com.au](http://www.rfsales.com.au)

ABN: 79 074 258 549