



**JME**  
ADVANCED INSPECTION SYSTEMS

# PORTABLE X-RAY BETATRON QUESTIONNAIRE

Please take a few minutes to complete this questionnaire as it will allow us to supply a more accurate quote for your project. Your answers will allow us to recommend a system tailored to your requirements.

**Click the button on the final page of this document to submit to our Quote Department**

Cliquez sur le bouton de la dernière page de ce document pour le soumettre à notre département de devis

Haga clic en el botón de la página final de este documento para enviarlo a nuestro Departamento de Cotizaciones

**INHOUSE USE ONLY**  
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JME Ltd Registered in England & Wales No: 02056386

Registered office: Electron House, Old Nelson Street, Lowestoft, Suffolk, England, NR32 1EQ.

## YOUR CONTACT DETAILS:

CONTACT NAME:

COMPANY NAME:

COMPANY ADDRESS:

CONTACT TELEPHONE:

CONTACT EMAIL:

ALTERNATIVE CONTACT DETAILS:

## ■ TYPES OF MATERIAL TO BE INSPECTED:

Please let us know the material that needs to be inspected  
- also consider any future projects you may be bidding on.

## ■ MATERIAL THICKNESS:

Please let us know the maximum and minimum  
thickness of the object you want to inspect.

## ■ FILM AND SCREEN TYPE:

Please let us know the film type (D7, D4 etc) and the screen type  
(lead, fluorometallic). Film cassettes and 1mm lead screens  
are required for Betatron exposures.

## ■ SPECIFICATIONS:

What standards are you working to?

## ■ SHIFT PATTERN:

How are you going to work? (8 hours in 24 hours, 12 hours in 24 hours or 24 hours a day?)

## ■ HANDLING AND OPERATION CONDITIONS

Is your factory based with a dedicated x-ray facility? Are you compliant with local regulations? Mobile site radiography requires careful consideration of space and shielding requirements and safety control procedures.

## ■ BACKUP REQUIREMENT OF PROJECT:

If the unexpected happens, how will you support the project? JME's warranty is a return base warranty - will you have enough time to return the equipment to us for repair or do you need to keep additional equipment locally as a backup?

## ■ PRODUCTION RATE:

What production rate do you need to achieve?

## ■ ENVIRONMENT:

What temperatures do you expect to operate in?

■ **LOCAL MAINS POWER SUPPLY:**

Betatrons need a dedicated power supply - therefore please indicate your current power supplies/current capacity: Generators can be used but require careful selection. For more information please contact JME.

Radial single phase 20A supply with either BS88 style fuse or type 'C' MCB

Three phase (15A per phase) with ether BS88 stye fuse or type 'C' MCB

■ **WARRANTY:**

Betatron systems come with a 1 year manufacturers warranty as standard. Would you like to extend this warranty by the period listed below?

1 YEAR WARRANTY (Included with purchase)

2 YEAR WARRANTY

3 YEAR WARRANTY

■ **END USER DETAILS:**

Which country will the Betatron be operated in?

■ **PROCUREMENT DATE:**

What date do you expect to place an order?

■ **EXPECTED DELIVERY DATE:**

What date do you require the equipment to be delivered?

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■ **HOW DID YOU HEAR ABOUT JME LTD?** Please tick as appropriate:

Web search

Referral

Exhibition

Industry

Publication

Social Media

Other

## ■ BETATRON ACCESSORIES:

REQUIRED QUANTITY

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### **TUBE (SPECIFY QUANTITY).**

Replacement X-Ray tube for use within the Betatron system.

### **DIGITAL DETECTOR PANEL PACKAGE**

We are able to supply digital imaging panels which will operate with high energy X-Ray sources

### **RF CONTROL PANEL AND WIRELESS HANDSET**

These components will upgrade the standard control system to a wireless system

### **AV UNIT**

Additional AV units to the one supplied as standard with the system. Can be used within an internal inspection bay or on remote site operations

### **SERVICE PACKAGE**

Provides preferential spare parts rates, an annual service and also prioritised site attendance in the event of a breakdown.

### **MANIPULATORS / CRANE ATTACHMENT**

JME can assist in the construction of a variety of bespoke manipulation devices specific to your requirements.

### **LASER ALIGNMENT DEVICE**

A replacement/spare laser device designed to assist the user in locating the centre point of the X-Ray emission.

### **IQI & PIPE ACCESSORIES AVAILABLE UPON REQUEST**

We are able to supply a wide variety of IQI's to suit your inspection needs please advise below of the type of IQIs which are required.

### **TRAINING**

JME Will offer free of charge training for up to 6 persons on the sale of your initial Betatron system, optional chargeable training is available for existing Betatron customers. Training can be carried out either remotely or in territory (based on acceptance of destination).

### **SPARES KIT**

A variety of key components and spare parts for the Betatron system. Consists of diagnostics equipment for use in diagnostic testing, this kit also contains replacement PCB's.

### **FILM CASSETTES WITH LEAD SCREENS**

We are able to supply a wide variety of film cassettes and lead screens to suit your inspection needs please advise below of the type of IQIs which are required.

## ■ CABLE REQUIREMENTS - PXBMJ SYSTEMS

PXBMJ Systems come with the following Cables as standard. If you require additional, or different length cables to replace the standard ones supplied with the system, please specify the cable type, whether it's additional or a replacement, and the required length in the box below.

- **Control Panel to PSU - 15m**  
Right angle connector on control panel end.
- **PSU to Radiator (Signal Cable) - 5m**
- **PSU to Radiator (High Voltage Cable) - 5m**  
Straight connectors on both ends.
- **A/C Mains Cable - 5m**
- **Remote Dosimeter - 15m**
- **AV Unit - 15m**

### ADDITIONAL CABLES OR ALTERNATE LENGTHS

1. **Control Panel to PSU (Control Cable) - 100m Maximum**
2. **PSU to Radiator (Signal Cable) - 5m length only**
3. **PSU to Radiator( High Voltage Cable) - 5m length only**  
Right angle connectors available upon request.
4. **A/C mains Cable - 25m Maximum**
5. **Remote Dosimeter - 15m Maximum**
6. **AV Unit Cable**

## ■ CABLE REQUIREMENTS - PXB2.5D2 SYSTEMS

PXB2.5D2 Systems come with the following Cables as standard. If you require additional cables with the system, please specify the cable type below.

### ADDITIONAL CABLES

1. **Control Panel to PSU (Control Cable) - 35m Standard**
2. **Power Unit To Pulse Converter - 7m Standard**
3. **Radiator to Pulse Converter - 3m Standard**
4. **Radiator to Power Unit - 7m Standard**
5. **Mains Cable - 10m Standard**
6. **Remote Dosimeter - 15m Standard**

Please click the button below to submit your request.