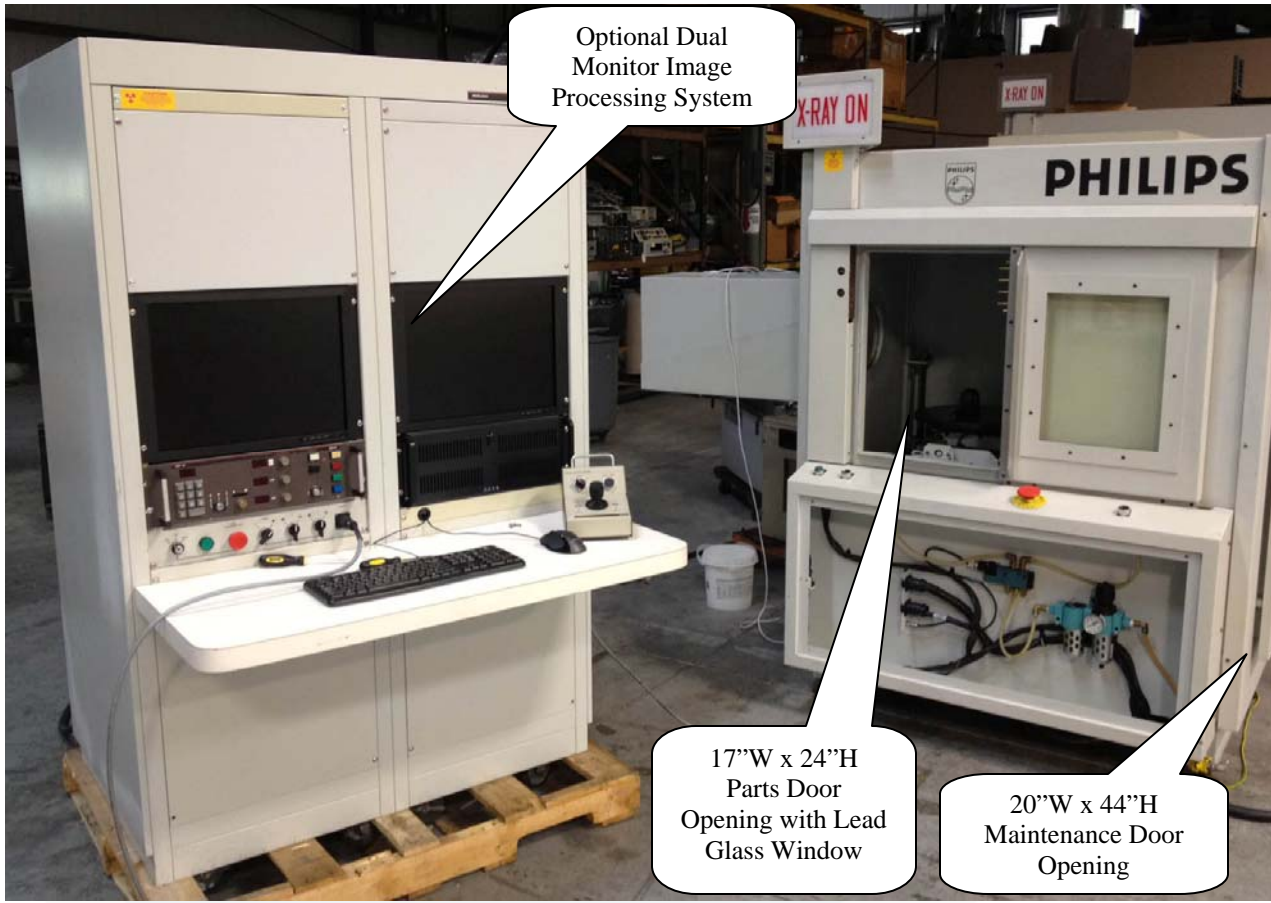


## PHILIPS USED REAL-TIME X-RAY CABINET



### MANIPULATION / CONTROLS

#### **5- Axis Motorized Manipulator**

There is a five axes manipulator that moves the part between the Image Intensifier and the X-Ray Tube. These motions are motorized and are controlled by 90VDC Variable Motor Controllers that can be purchased easily in the USA. The Axes are as follows:

<u>AXIS</u>	<u>MOTION</u>	<u>DISTANCE</u>
(X-Axis)	LEFT/RIGHT	12" (+/-6") Travel
(Y-Axis)	UP/DOWN	18" Travel
(Z-Axis)	Part IN/OUT	24" Travel
(Tilt-Axis)	Tilt of Turntable	$\pm$ 10 Degrees Travel
(Rotate-Axis)	Rotation of Turntable	360 Degrees
		Safe Load – 50Lbs.



## **PHILIPS MCRS2000-1 MANIPULATOR**

### **Pendant Joystick**

The 5-Axes Manipulator will be controlled by a joystick pendant (See Image Below). There is Qty-1 Joystick that controls 3 Axes at a time. By pressing the MODE Button, you can switch to move 2 other axes. The joystick, when actuated, controls the speed and direction of the motor for the X, Y, Z and Rotate Axes.

## CONTROL CONSOLE

There will be a single bay Control Console similar to the image shown below that will house all the required equipment such as the Pendant Joystick, Manipulator Controls, X-Ray Controller, Monitor and System On Panel. Any other Options will be mounted inside this console as well.



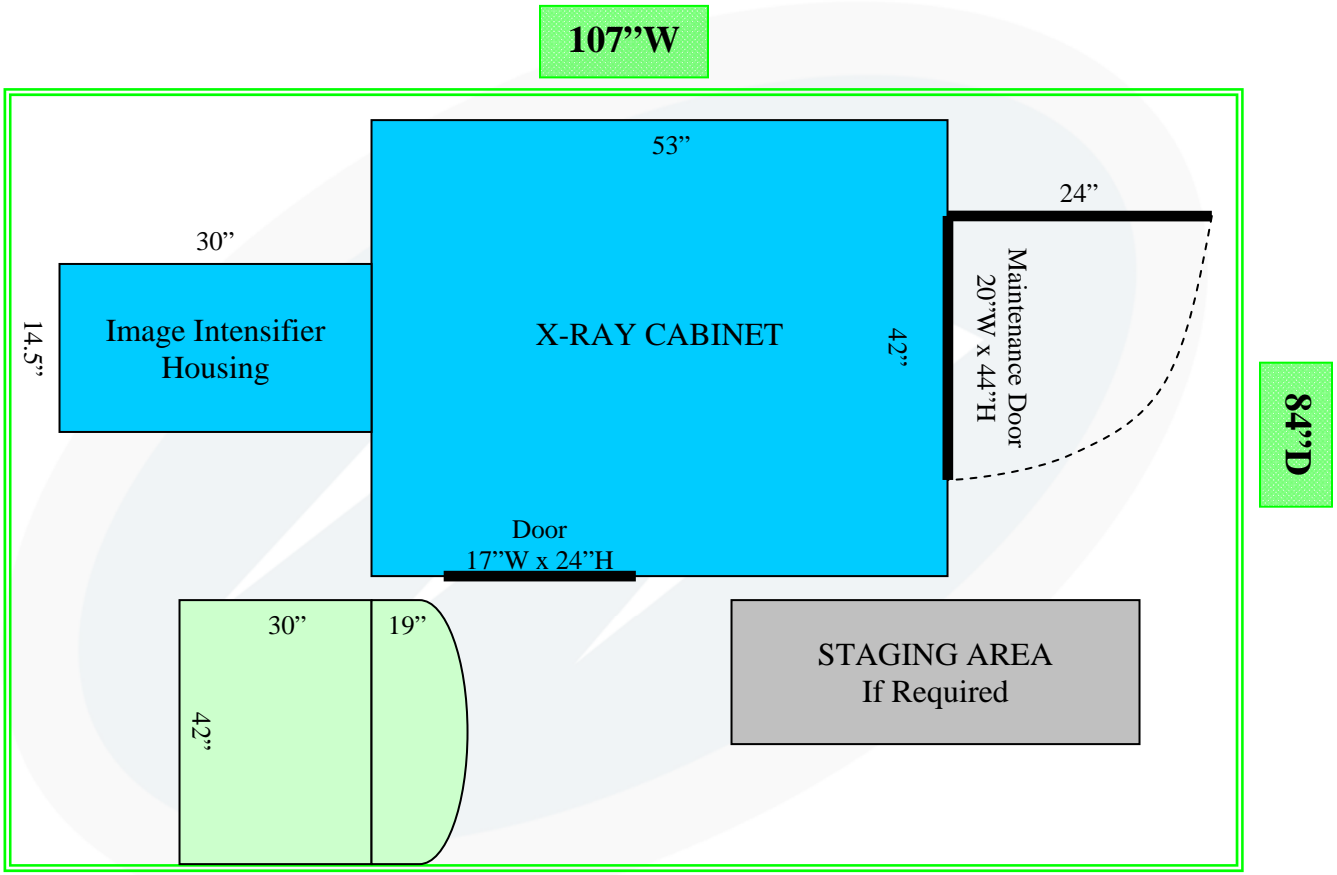
## X-RAY RADIATION SYSTEM

The X-Ray System is a Philips MG161, 60Hz X-Ray System with a 160kV X-Ray tube made for Real-Time Inspection. The System includes:

- |  |   |
|--|---|
| 1) MGC03 Microprocessor Controller         | 6) Interconnect Cables for integration                                    |
| 2) 160kV(-) Generator w/3.2kW Power Supply | 7) 6" Image Intensifier Detector w/Analog Camera & Monitor.               |
| 3) 1.0kW Water Cooler w/5 Meter Hoses      | <b>(NOTE: Image Processor/Capture Digital Camera System available for</b> |
| 4) 160kV 5 Meter High Voltage Cable        |   |
| 5) 160kV Metal Ceramic X-Ray Tube          |   |
| Real                                       |   |



**PHILIPS MCRS2000-1 CABINET SYSTEM**  
**FOOTPRINT/WORKSPACE**  
**RECOMMENDATIONS**



**GENEROUS WORKSPACE = 107"W x 84"D**