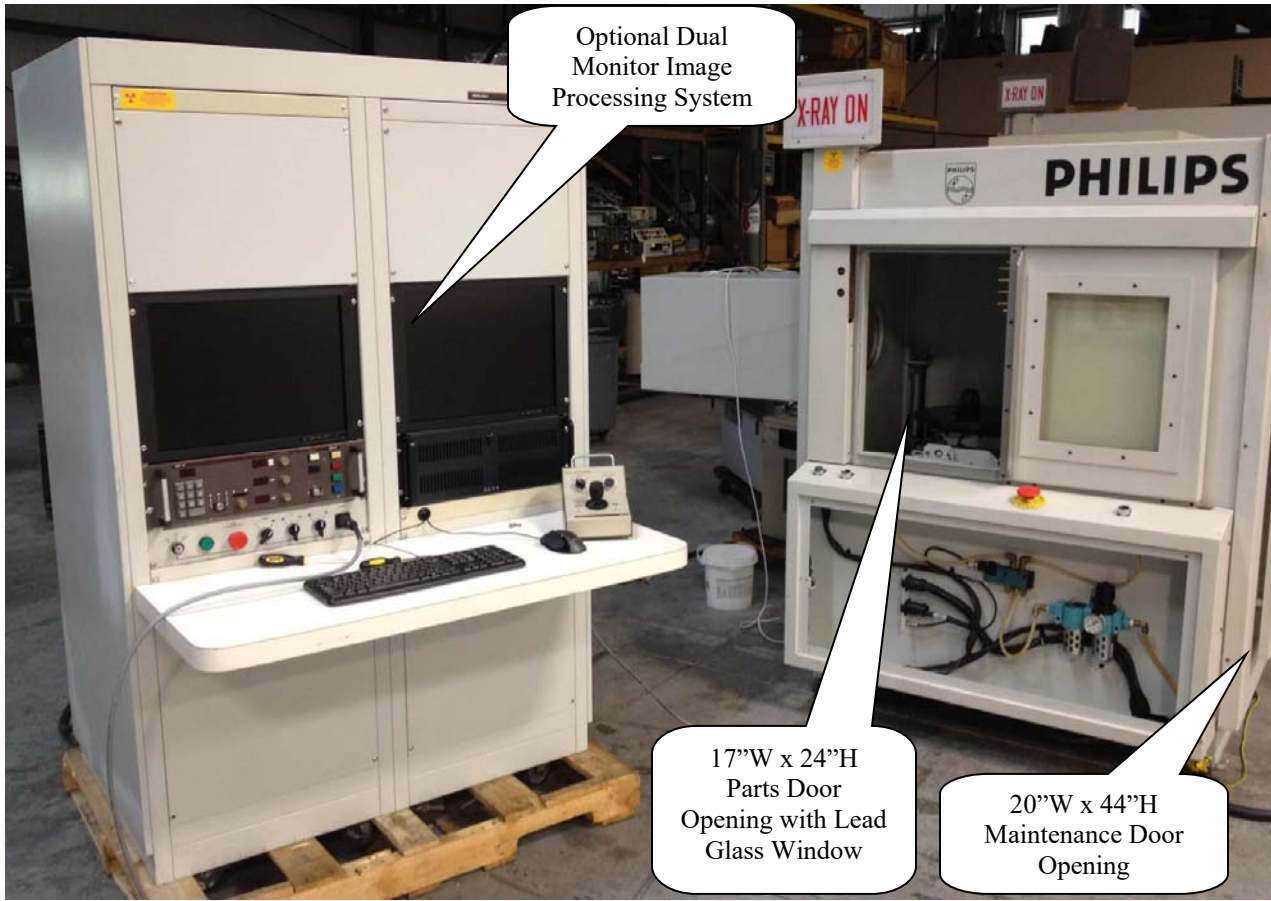


PHILIPS MCRS2000-30

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 “NEW” Stepper-Drive 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	24” (+/-12”) Travel
(Y-Axis)	UP/DOWN	24” Travel
(Z-Axis)	Part IN/OUT	24” Travel
(Tilt-Axis)	Tilt of Turntable	± 10 Degrees Travel
(Rotate-Axis)	Rotation of Turntable	360 Degrees / Safe Load – 50Lbs.



PHILIPS MCRS2000-30 MANIPULATOR

Pendant Joystick

The 5-Axes Manipulator will be controlled by a joystick pendant (See Image Below). There is Qty-2 Joysticks that controls 3 Axes at a time. The joysticks, when actuated, control the speed and direction of the motor for the X, Y, Z, Tilt and Rotate Axes.

CONTROL CONSOLE

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





NEW SEMI-AUTO SYSTEM CONTROLLER



NXC DUAL JOYSTICK CONTROL PENDANT

This Pendant has all new and easily purchased control joysticks and switches.



NEW STEPPER SEMI-AUTO CONTROL SYSTEM

The Older Electronics have been replaced with a new Stepper Controller and Stepper Drives, as shown in these pictures. This model can be operated manually or semi-automatically, which allows the operator to control the manipulator, shutter, x-ray kV and ma and the image processing all from the optional software if purchased.



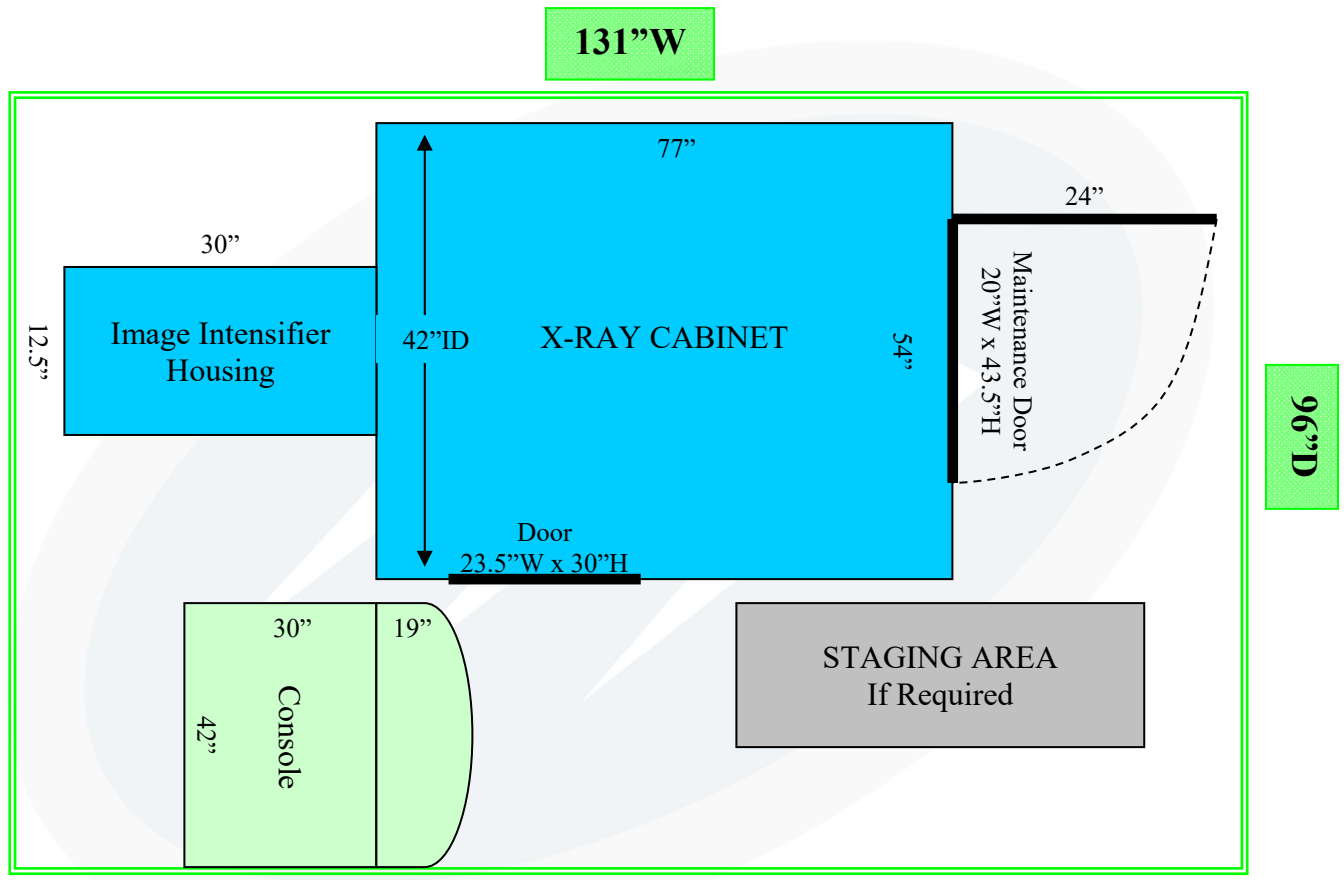
X-RAY RADIATION SYSTEM

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 | 4) 160kV 5 Meter High Voltage Cable |
| 2) 160kV(-) Generator w/3.2kW Power Supply | 5) 160kV Metal Ceramic X-Ray Tube Real |
| 3) 1.0kW Water Cooler w/5 Meter Hoses | 6) Interconnect Cables for integration |



PHILIPS MCRS2000-30 CABINET SYSTEM
FOOTPRINT/WORKSPACE
RECOMMENDATIONS



GENEROUS WORKSPACE = 131\"W x 96\"D