

PHILIPS USED MCRS4000 REAL-TIME X-RAY CABINET

Room Size: 8'D x 8"D x 9" H

Inside Dimensions: 84"W x 89"D x 102"H

Lead Shield thickness for Back Detector Wall is 450kV Primary

Lead Shield thickness for all other walls, Ceiling and Door 450kV Secondary

Motorized Sliding Door (36"W x 84"H)

X-Ray ON Sign located for viewing at Door

CDRH Fail Proof Switch on Motorized Door

Qty-2 Fluorescent Light Fixtures with light switch on wall

AREA ALARM

Qty-1 Emergency Off Palm Button

Red Rotating Beacon during X-Ray On



MANIPULATION / CONTROLS

Wall Mounted 5 - Axis Motorized Manipulator

There is a wall-mounted five axes manipulator allows for ease of inspecting parts by moving the part between the Image Intensifier and the X-Ray Tube but also gives the system the flexibility to move the manipulator up high or low and out of the way to shoot film shots.



The 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	40" (+13"/-27") Travel
(Y-Axis)	UP/DOWN	72" (±36") Travel
(Z-Axis)	Part IN/OUT	48" Travel
(Tilt-Axis)	Tilt of Turntable	± 30 Degrees Travel
(Rotate-Axis)	Rotation of Turntable	360 Degrees/Safe Load-50 Lbs.

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.



Tube Ceiling Mount Manual Manipulator

There is an adjustable FFD Manipulator to move the tube in and out for changing the FFD. (See Image Below).



CONTROL CONSOLE

There will be a single bay Control Console that will house all the required equipment such as the Pendant Joystick, X-Ray Controller and Monitor. Any other Options will be mounted inside this console as well.

X-RAY RADIATION SYSTEM

The X-Ray System is a Philips MG451, 500Hz highly-stabilized X-Ray System with a 450kV X-Ray tube.

