PXi PRECISION X-RAY

SERVICE PROCEDURE

Procedure Description: Preventative Maintenance Checklist

Procedure No. PR08-15 rev.3

Customer:	UT Southwestern	Contact:	Eric Shih	Equipment:	X-RAD 225 cX
Address:	2201 Inwood Rd.	Email:	eric.shih@utsouthwestern.edu	Serial Number:	1103-1747
City, State, Zip:	Dallas TX	Phone:	214 648-1222	Date:	3/27/2019

Customer had contacted PXI stating that their X-RAD 225cX was due for preventative maintenance. Upon arriving at customer site the system was turned on and a warmup was initiated.
The system was turned off and power shut down to perform the preventative maintenance. This included gapping and greasing of the high voltage cable on both the tube and generator side. The x-ray tube was checked for water leaks and cable inspected for proper bend radius. All wires and wiring were also inspected. All were secure with no breaks or frays. Grounding was also checked and verified. The system was turned back on and x-rays verified again. All safety circuits including the X-Ray On light, door and E-Stop were checked and verified operational. Cooler hoses were inspected and water level checked. Filter screen was removed, cleaned and replaced. Cooler was operational and flow verified. Cabinet was inspected with no signs of of damage. All hardware was checked and secured as necessary. Radiation survey was taken with no concerns and compliant levels observed. The axis X, Y, Z and gantry were moved manually with no issues. Previously the motor had been changed and upon inspection new motor was operating properly. System homed without any issues. Slides were inspected and found to be greased properly.
Upon completion of the preventative maintenance system was turned on one last time and checked for performance. There were no issues and the system deemed ready to use.

Materials Used	
QTY	Description
1	Toolkit
1	Fluke Meter

Materials Needed	
QTY	Description

Hours	
Travel	N/A
Labor	3

Customer: Debabrata Saha	Service Engineer: Salvatore Gentile