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 320
Address:	2201 Inwood Rd.	Email:	eric.shih@utsouthwestern.edu	Serial Number:	
City, State, Zip:	Dallas TX	Phone:	214 648-1222	Date:	3/27/2019

Customer had contacted PXI stating that their X-RAD 320 was due for preventative maintenance. Upon arriving at customer site the system was turned on and a warmup was initiated. Upon completion programs were run with proper operation observed.
The system was turned off and power shut down to perform the preventative maintenance. This included gapping and greasing of the high voltage cables on both the tube and generator side. The x-ray tube was checked for oil leaks and cables 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 louver interlocks and E-Stop were checked and verified operational. Cooler hoses and oil were inspected and found to be compliant. 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. A1 battery was replaced as a precaution. System is running 1.3.0.18 software version with no issues. Doserates verified to be within range although customer only runs timed programs.
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
1	A1 Battery

Materials Needed	
QTY	Description

Hours	
Travel	3
Labor	2.5

Customer: Debabrata Saha	Service Engineer: Salvatore Gentile