

	Standard Operating Procedure #310 RS Scanner Warmup Procedure		Page 1 of 1
	Investigator: Jan Markowski	Location: MicroCT Imaging Lab	Revision: 00

1. Introduction

- 1.1 X-Ray equipment, if not properly used, may cause injury. The GE eXplore Locus utilizes a radiation emitting x-ray source and complies with US and Canadian cabinet x-ray standards which allow the system to be safely operated without additional x-ray shielding.
- 1.2 Use of the Locus (RS) scanner is restricted to individuals that have had documented safety, operation, and maintenance training of the scanner by a facility technician (Joseph Umoh).

2. System Warmup Procedure

- 2.1 A green light at the side of the Locus scanner (next to the power cables) will indicate that the scanner is ON. Turn on the RS scanner if the green light is not on:
 - 2.1.1 Turn the key located in the black CM11 control unit next to the RS scanner clockwise. At this point you will not be able to remove the key.
 - 2.1.2 The green light by the power cables should turn on.
- 2.2 If the Locus (RS) control console is not already ON, turn it on and wait for the login screen to appear. Log onto the console with appropriate login/password combination.
- 2.3 The x-ray tube power may only be switched on from the acquisition console. X-rays may only be generated if the scanner door is closed and the x-ray reset button has been reset.
- 2.4 A warmup process should automatically start as soon as user has logged onto the console. However, if the process fails to start, manually begin the warmup process:
 - 2.4.1 Run **Warm-up App**.
 - 2.4.2 Click **Idle**.
 - 2.4.3 Wait for a popup window to appear that says “x-rays are now warmed up” on **Scan Control**. This will take about 3 minutes.
 - 2.4.4 You may proceed to scan.

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