



PROCEDURE FOR TESTING THE EMERGENCY STOPS ON THE WIRE WINDING TABLES

procedure name

PHENIX Procedure No. PP-2.5.2.12-06

Revision: A

Date: 10-11-99

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approvals

NA
PHENIX S E & I Date

[Signature] 10/11/99
Cognizant Scientist/Engineer Date
/Activity Manager

[Signature] 10/11/99
PHENIX QA/Safety Date

[Signature] 10-26-99
RHIC ES&H Date

REVISION CONTROL SHEET

LETTER	DESCRIPTION	DATE	WRITTEN BY	APPROVED BY	CURRENT OVERSIGHT
A	First Issue	10/11/1999	n/a	R. Towell, W. Lenz, A. Etkin	n/a
RETIRED	Tests Completed	3/9/2007	n/a	D. Lynch, R. Pisani, P. Giannotti for PHENIX	D. Lynch

1. Purpose and Scope
 - 1.1. This procedure describes how to properly test the operation of the emergency stops on the two wire winding machines in the Muon Tracker tent.
2. Responsibilities
 - 2.1. Only people properly trained on the operation of these machines may use them. Rusty Towell is the authorized person to approve people to operate these machines. Dave Lee is his alternate.
3. Prerequisites
 - 3.1. Before entering the clean room put on booties, white coat, and white bonnet.
4. Precautions
 - 4.1. Prior to operation the operator must announce that he/she is preparing to move the boom to all persons in the area.
5. Description of the emergency stops
 - 5.1. There is a grey box with a large red push-button on top, set on the table just in front of the tower (figure 1). If it is necessary to stop the motion of the boom immediately this button may be pushed in order to cut power to the motor.
 - 5.2. There are also two smaller metal boxes with red buttons (figures 1 and 2) that can be pressed to stop motion of the carriage along the boom.
6. Testing of the emergency stops
 - 6.1. Prior to testing the emergency stops ensure that the boom and carriage are well clear of all obstructions.
 - 6.2. Using the positioning program, rotate the boom. While the boom is moving push the "Emergency Stop for All Motion" button. The boom should stop moving immediately. If the boom continues to move, stop the motion with the positioning program and suspend all work. Work can not resume until the emergency stop is repaired and tested.
 - 6.3. Using the positioning program, move the carriage along the boom. While the carriage is moving push one of the "Emergency Stop for Linear Motion" buttons. The boom should stop moving immediately. If the boom continues to move, stop the motion with the positioning program and suspend all work. Work can not resume until the emergency stop is repaired and tested. Repeat this step for the second "Emergency Stop for Linear Motion" button.
7. Frequency of test
 - 7.1. The emergency stops should be tested when any of the following conditions are met:
 - every six months
 - after any repairs or modifications to the movement control
 - anytime the cognizant supervisor requires it.
 - 7.2. Record the results on the "Emergency Stop Tests Record Sheet" that is kept at the machine.

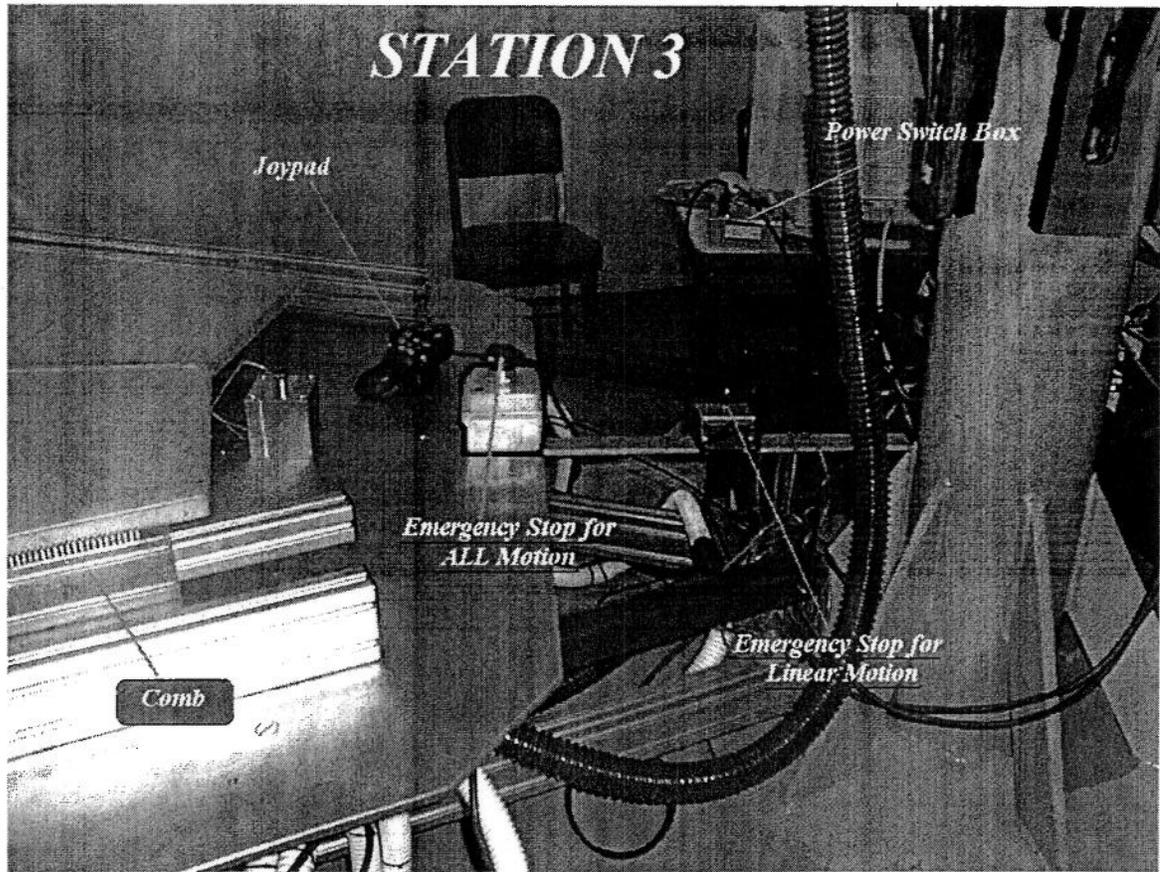


Figure 1 (Station 3, two emergency stops shown)

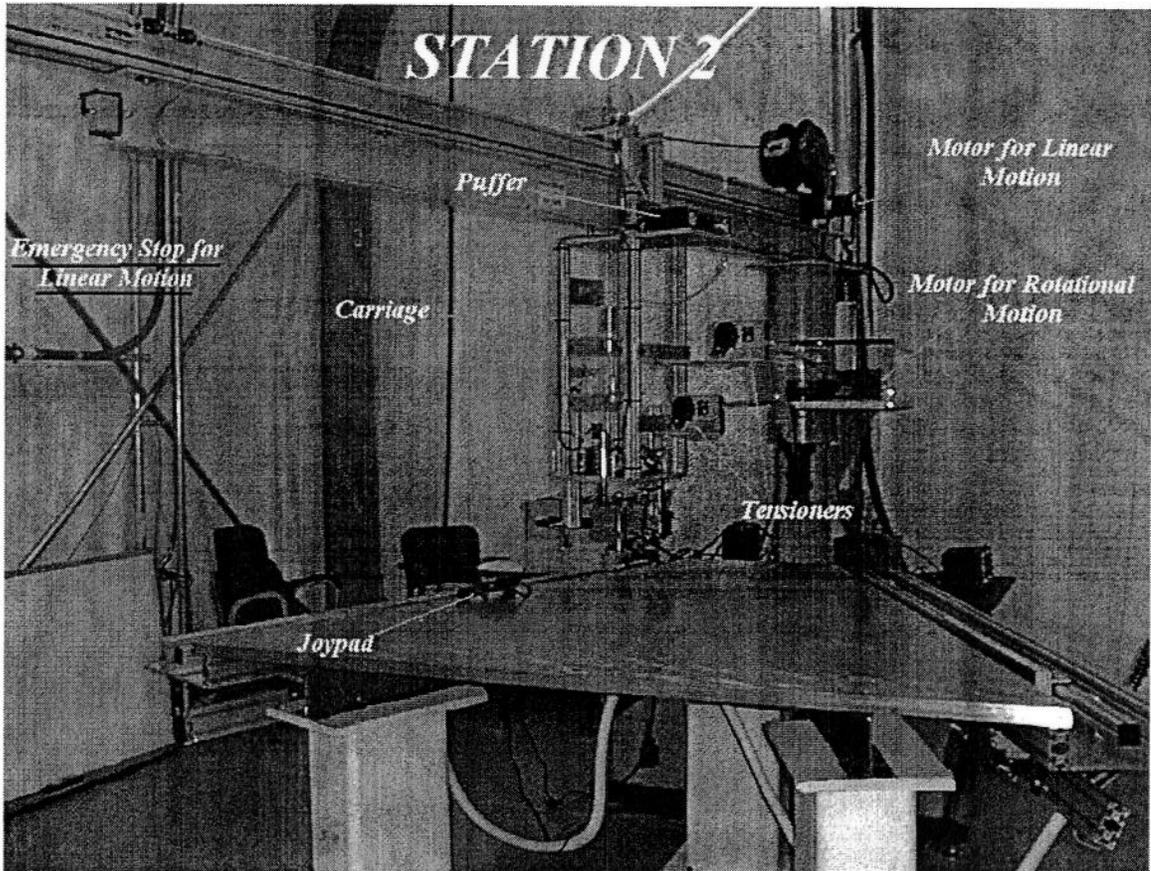


Figure 2 (Station 2, one emergency stop shown)