



## NSD 3004 OJT to use MetraSCAN for NS-0181

### Course Syllabus

**Subject Category:** 88" Cyclotron Operations Mechanical Group - Metrology

**Course Prerequisite:** None

**Course Length:** NA

**Medical Approval:** None

**Course Mode:** One-on-one OJT with Activity Lead or Designee

**Course Purpose:** Credit for this course will be granted to personnel who have completed on the job training with the Activity Lead or the AL Designee.

#### Learning Objectives:

The Creaform 3D MetraSCAN Elite optical cmm scanner is an ultra precise metrology grade piece of equipment capable of generating 3D CAD models of large, complex structures in a short period of time. The equipment is very capable but also very sensitive to mishandling and improper care. This OJT course will instruct new users authorized on the WPC activity how to:

- Properly deploy and stow the equipment
- Perform normal scanning and probing operations
- Properly clean and maintain the optics and targets
- Avoid pitfalls and handling mistakes
- Limits and special practices when use cases involve a colocated radiological or chemical hazard

**Training Requirements:** Must be added to NS-0181 3D Optical CMM Scanning WPC Activity

**Instructor:** NS-0181 Activity Lead or Activity Lead Designee

**Course Instructional Materials:** in-person hands on training with the scanner system and a subject

**Practical or performance Assessment / Exam:** Yes

**Retraining/Recertification:** No