



Project Entry ID# \_\_\_\_\_

### Computer Numerical Control (CNC)

#### \_\_\_\_\_ CNC - 01 CAD-CAM (Metals)

This classification includes any project in which the machining of metal constitutes the major operations with the aid of a computer interface. A complete set of plans must accompany the project. A printout of NC code must be included. Examples: (V-block, step block, scriber, jig, fixture, or machined casting.) Entry must include drawing(s).

#### \_\_\_\_\_ CNC - 02 CAD-CAM (Woods)

This classification includes any project in which the machining of the project constitutes the major operation with the aid of a computer interface. A printout of the NC program must be included. Examples: (Spindles, bowls, or lamps.) Entry must include drawing(s).

#### \_\_\_\_\_ CNC - 3 CAD-CAM (Plastics or Material Combination Project)

This classification includes any project in which the machining of the project constitutes the major operation with the aid of a computer interface. A complete set of plans must accompany the project. A printout of NC code must be included. Examples: (Game pieces, Desk nameplate, Signs etc.) Entry must include drawing(s).

*All Groups are eligible to participate.*

Check Classification above: Group Letter \_\_\_\_\_ Entry Title \_\_\_\_\_

Entry Checklist:

- \_\_\_\_\_ A complete set of plans with dimensions must accompany the project.
- \_\_\_\_\_ A printout of a minimum of 3 pages of the NC program must be included.
- \_\_\_\_\_ Technical Report

### Scoring Rubric

Each project will be subject to this checklist with negative points deducted from 100.

Category:	-4 or more	- 3	- 2	- 1	- 0	Neg. Pts.
Functional & Shows Good Design						
Programming Structure/Coding looks sound						
Accuracy, Neatness, Quality & Craftsmanship						
Surface Preparation and Finish						
Complexity – Creativity - Originality						
Subtract Negative points from 100					Project Rating =	

Judges may subtract more than the - 4 at there own discretion.

Entry Violation: \_\_\_ Missing drawings. \_\_\_ No Technical Report: \_\_\_ (up to -10 Pts) \_\_\_\_\_

Overall Project Rating \_\_\_\_\_

100-85 = I (blue) 84-70 = II (red) 69-0 = III (white) (based on 100 points)

- 4 pts. = little effort or numerous mistakes
- 3 pts. = job is incomplete - - several flaws or defects
- 2 pts. = some effort, but more could have been done.
- 1 pt. = a very good effort - with minimal flaws or defects
- 0 pts. = excellent effort - no mistakes or visible flaws

Student Name: \_\_\_\_\_

Course Entry Was Completed In: \_\_\_\_\_

Instructor: \_\_\_\_\_ Telephone # \_\_\_\_\_

School Name: \_\_\_\_\_

School Address: \_\_\_\_\_

City \_\_\_\_\_ Zip: \_\_\_\_\_

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