

Assignment - Research an article on any NC technique & something made with it.

Assigned: Wednesday, January 24

Due: Monday, January 29 (for in-class discussion)

Abstract:

As we begin to investigate machines and control technologies in the lab, we need also to be looking at the end results of these techniques. Many of the objects of everyday life are the result of some form of NC or CNC manufacturing. As techniques, they are far more ubiquitous in fact than we probably realize, and impact far broader industries than we might otherwise consider.

The Task:

For the next class discussion, you are to research an article on any NC or CNC technique and something made with it. This article can come from any source, and can look at any industry. For purposes of this assignment, the definition of an NC technique is a process that uses a precise, procedural, or dimension driven constraint or instruction to impact a physical process in making. The process should not be purely mechanical, as in an armature tracing a pattern plate, but it can be largely mechanical in nature. It can be fully computerized, or it could not involve computers, per se, or advanced computation at all. It need only be somehow numerically driven. The focus of the research should be on the thing made, and on the process that described and produced it. You should have a good sense of how it was designed and what procedures, machines, and techniques were used in its fabrication.

Possible Industries to look at:

- Industrial Design / Product Design
- Furniture
- Mechanical, Automotive, Aerospace, Marine engineering, etc.
- Consumer electronics
- Sporting equipment
- Textiles, Clothing, Jewelry, and accessories
- Tools and Equipment

What to bring in:

To class for discussion on Monday:

- Your article, including source(s) citation.
- A copy of your article to hand in. (I will collect, collate, and make them available to all)
- Images to present to class (as available and appropriate) - scanned, photographed, or copied. (scanned images should be placed on Scantemp or in the class folder on Olmsted.)