

# Manufacturing Principles Training

## 5 S's to Shaping-up the Shop Floor

A systematic approach to organizational cleanliness. It is the foundational base for quality, safety, productivity, and employee involvement in all areas of the company.

## Measuring Tools

Learn how to fully utilize, and independently operate with a high degree of precision and accuracy, all of the measuring tools utilized at Machinewell, Inc.

## Blueprint Reading

This unit has been developed to provide employees with a broad understanding of blueprint reading. (Linetype, Projections, Views, Revisions and notes, Dimensioning, Tolerancing, etc.)

## Shop Floor Communication

Learn how to communicate effectively on the shop floor and work as a team in a production setting. (Team member, Importance of communication, Gung-ho, Conflict management, etc.)

## Machine Operations Overview

Demonstrate and discuss current tooling, machines, and production operations used at Machinewell to produce high quality products. (Turning, Milling, Drilling, Welding, Punch presses, etc.)

## Tools of Quality

This unit will cover basic quality fundamentals as well as introduce students to advanced charting and controlling techniques. (TQM concepts, Flow charts, Process charts, Histograms, SPC overview, etc.)

## Production Management

An introduction to management techniques as they relate to a production based company. (Process selection, Facility design, JIT, Managing teams, TQM, etc.)

## Hands-on Projects

Northland will utilize Machinewell's Monday - Thursday work week to use the actual production floor on Fridays as an educational laboratory to complete hands-on, experiential learning projects.

*This training is a partnership between:*



For more information contact James Retka, Manufacturing Specialist, at (218) 683-7055.