

# CNC EXPERT STANDARDS

PROJECT: TITAN-200  
CERTIFICATION: CAD

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## OVERVIEW:

Successfully demonstrated comprehension of the TITAN-200 CAD performance standard. Created an accurate and fully defined TITAN-200 solid model using CAD software and part documentation.

## MATERIALS:

- TITAN-200 dimensioned print
- CAD tutorial
- Related engraving assets
- Computer with CAD software

## SKILLS DEMONSTRATED:

### SKETCHING

- **Create Sketch:** Enters Sketch mode and creates a new sketch on a selected plane or face.
- **Select Construction Plane:** Selects a plane on which to sketch part dimensions.
- **Two Point Rectangle:** Creates a rectangle using two points for the diagonal corners.
- **Point:** Creates a sketch point.
- **Insert :** Insert downloaded DXF assets onto selected surfaces.
- **Dimensioning:** Assigns dimension values to sketch geometries and/or modifies existing dimensions.

### CREATING

- **Cube:** Create a solid model from the dimensioned print.
- **Deboss:** Add engraving geometry to the solid model.

## MODIFYING

- **Press Pull:** Modifies the selected geometry using offset, extrude, or chamfer commands.
- **Chamfer:** Places a chamfer of a specified angle and distance at the intersection of two surfaces.