



## Project Profile

### Aluminum Extrusion Plant Machine Design Northern U.S.A.

The client required a means of controlling the cooling rate of extruded bars to allow more precise control of the material properties.

A cooling chamber was designed to be installed on the exit conveyor of the extrusion press. This chamber utilized variable flow atomizing spray nozzles arranged to provide 360 degrees of cooling water. The arrangement of nozzles allowed different bar shapes to receive uniform coverage and to allow for a precision cooling rate of the bars.

**Services:** conceptual and detail design

