

# Aluminum Profile Air and Water Quenching System

This aluminum profile quenching system cools extruded aluminum using air and water. It ensures rapid, uniform cooling for maintaining the profiles' mechanical properties and dimensional accuracy.



## Overview

### High-Efficiency Quenching Solution

This system is engineered for the rapid and uniform cooling of extruded aluminum profiles, utilizing a dual-action air and water mechanism. It is designed to maintain critical mechanical properties and dimensional accuracy through precise thermal control. By integrating adjustable spray nozzles and air jets, the system ensures optimal cooling efficiency for a wide variety of profile shapes and sizes.

## Technical Features

### Key Advantages

- Uniform cooling profile
- Reduced thermal stress
- Adjustable parameters for diverse shapes
- Integrated water recirculation

### Cooling Method

Air Cooling, Water Quenching, Hybrid System

## Performance

### Operational Metrics

**1 Optimized**

Water Consumption

**1 High**

Cooling Efficiency

## Quality Assurance

### Quality Compliance

Defect-Free Range • Industrial Grade Material • Quality Checked