

# Steel Bar Rolling Line

A bar rolling line is a continuous production system used to shape heated metal billets into bars of various sizes and profiles. The process uses a series of rolling stands to reduce the cross-sectional area while maintaining a consistent shape.



## Overview

### Continuous Steel Production System

The Steel Bar Rolling Line is a continuous production system designed to shape heated metal billets into precision bars of various sizes and profiles. This comprehensive line integrates reheating furnaces, roughing stands, and finishing stands to ensure optimal metal temperature and dimensional accuracy. Automated handling and cooling systems are incorporated to maintain consistent product quality and efficient throughput.

## Technical Process

### Production Stages

- Reheating
- Roughing
- Intermediate Shaping
- Finishing
- Cooling
- Straightening

### Key Process Features

Continuous Production, Automated Handling, Quality Control Integration