Wind Tower Manufacturing Process Flow Chart

This flow chart illustrates the manufacturing process of wind towers. It includes stages like steel plate preparation, welding, painting, and assembly.

Overview

Wind Tower Production Workflow

This comprehensive process flow chart outlines the standardized manufacturing stages required for wind tower construction. It details the critical path from initial steel plate preparation and cutting through complex welding operations, including longitudinal and circular welding. The workflow concludes with essential finishing treatments such as sandblasting, zincification, and painting, ensuring structural integrity and longevity for wind energy infrastructure.

Manufacturing Stages

Primary Processing Steps

- Steel plate shotblasting and cleaning
- Flame or plasma cutting
- Beveling machining
- Plate coiling
- Internal and external longitudinal welding
- Vessel fit-up
- Flange fit-up and welding

Finishing & Assembly

- Welding seam detection
- Welding of door frame and internal parts
- Sandblasting
- Zincification
- Painting
- Assembly of small parts
- Storing

Quality Assurance

Quality Control Tags	Welding Seam Detection, Surface Preparation, Precision Cutting, Structural Assembly