Powder Coating Process Flowchart

1. Surface Preparation
- Degreasing & Cleaning
- Abrasive Blasting
- Chemical Pretreatment
- Rinse & Dry

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2. Powder Application
- Check Grounding
- Set Spray Gun (60–100 kV)
- Apply Powder Evenly

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3. Curing
- Load into Oven
- Monitor Metal Temp
- Follow Cure Schedule
- Controlled Cool Down

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4. Quality Inspection
- Film Thickness 60–120 µm
- Visual Check (defects, color)
- Adhesion Test
- Gloss/Hardness Test

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5. Documentation & Release
- Record Batch Data
- Approve/Reject
- Pack & Deliver