

**Platforms and walkways manufacturing factory inspection checklist to ensure that all manufacturing processes and conditions meet quality, and regulatory standards.**

## **1. Manufacturing Equipment**

- **CNC Machines and Metalworking Tools:**
    - Equipment is well-maintained, with no visible damage.
    - Regular maintenance schedules are followed.
    - Guarding and safety devices are intact.
  - **Welding and Cutting Equipment:**
    - All welding and cutting machines are inspected for safety and functionality.
    - Welding areas are well-ventilated and equipped with proper shielding.
  - **Hydraulic and Pneumatic Systems:**
    - Hydraulic and pneumatic systems are free from leaks and properly functioning.
    - Pressure gauges and safety valves are checked regularly.
  - **Measuring Tools:**
    - Calipers, gauges, and measuring devices are calibrated and accurate.
    - Tools are stored properly to prevent damage.
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## **2. Platform and Walkway Design and Construction**

- **Material Quality:**
  - Raw materials (steel, aluminium, etc.) meet quality standards.
  - Materials are stored and handled properly to prevent damage or corrosion.
- **Platform Dimensions and Specifications:**
  - Platforms and walkways are manufactured according to the design specifications.
  - Dimensions, weight limits, and load-bearing capacity are verified.
- **Structural Integrity:**
  - No signs of welding defects, cracks, or material deformation.
  - All bolts, nuts, and fasteners are securely tightened and free from corrosion.
- **Surface Finish:**
  - Walkway and platform surfaces are smooth, with no sharp edges.
  - Coatings (paint, anti-slip coatings) are applied evenly and properly.
- **Slip Resistance:**
  - Walkway surfaces are designed to provide adequate grip (e.g., anti-slip treads).
  - Any slip-resistant features meet industry standards.
- **Load Testing:**
  - Platforms are subjected to load testing to ensure they can support intended weights.
- **Guardrails and Barriers:**
  - Guardrails and barriers are installed at proper heights and spacing.
  - Guardrails are secure and free from any weaknesses.

### 3. Compliance and Documentation

- **Certifications and Standards:**
    - All products meet industry standards (e.g., OSHA, ANSI, ISO).
    - Proper certifications and compliance documentation are available and up to date.
  - **Inspection Records:**
    - Inspection logs for all equipment, platforms, and walkways are maintained.
    - Manufacturing processes and safety checks are documented.
  - **Worker Training Records:**
    - Workers are trained in safe manufacturing practices, including equipment handling and emergency procedures.
    - Training records are up to date.
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### 4. Quality Control

- **Incoming Materials Inspection:**
    - All incoming materials are inspected for quality before use.
  - **In-Process Inspections:**
    - Regular inspections are carried out during the manufacturing process to check for dimensional accuracy and defects.
  - **Final Product Inspection:**
    - Finished platforms and walkways are thoroughly inspected for defects.
    - Products are tested for strength, stability, and durability.
  - **Packaging and Shipping:**
    - Products are properly packaged to avoid damage during transportation.
    - Shipping labels are accurate and meet regulatory requirements.
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