

Daily Operation Self-Check Sheet

Tube Filling Machine

How to Use This Checklist

- ✓ Yes → Condition stable
- ⚠ No / Not Sure → Potential issue

If multiple risks appear, check process conditions before adjusting the machine.

1. Product Condition

| Check Item | Yes | No / Not Sure |
|---|--------------------------|--------------------------|
| Product consistency remains stable during operation | <input type="checkbox"/> | <input type="checkbox"/> |
| No visible change over time (settling, separation) | <input type="checkbox"/> | <input type="checkbox"/> |
| Temperature does not affect flow behavior | <input type="checkbox"/> | <input type="checkbox"/> |

2. Filling Stability

| Check Item | Yes | No / Not Sure |
|--|--------------------------|--------------------------|
| Filling remains consistent across cycles | <input type="checkbox"/> | <input type="checkbox"/> |
| No dripping after filling | <input type="checkbox"/> | <input type="checkbox"/> |
| No visible air bubbles in product | <input type="checkbox"/> | <input type="checkbox"/> |

3. Sealing Consistency

| Check Item | Yes | No / Not Sure |
|-------------------------------------|--------------------------|--------------------------|
| Sealing is uniform and repeatable | <input type="checkbox"/> | <input type="checkbox"/> |
| No signs of weak sealing or leakage | <input type="checkbox"/> | <input type="checkbox"/> |

3. Sealing Consistency

| Check Item | Yes | No / Not Sure |
|--|--------------------------|--------------------------|
| Tubes feed smoothly without interruption | <input type="checkbox"/> | <input type="checkbox"/> |
| Positioning remains consistent | <input type="checkbox"/> | <input type="checkbox"/> |
| No jamming or misalignment observed | <input type="checkbox"/> | <input type="checkbox"/> |



5. Machine Condition

| Check Item | Yes | No / Not Sure |
|---------------------------------------|--------------------------|--------------------------|
| Machine is clean (no product buildup) | <input type="checkbox"/> | <input type="checkbox"/> |
| No abnormal noise or vibration | <input type="checkbox"/> | <input type="checkbox"/> |

6. Utilities

| Check Item | Yes | No / Not Sure |
|---------------------------------|--------------------------|--------------------------|
| Compressed air supply is stable | <input type="checkbox"/> | <input type="checkbox"/> |
| Power supply is stable | <input type="checkbox"/> | <input type="checkbox"/> |

7. Operation Stability

| Check Item | Yes | No / Not Sure |
|---|--------------------------|--------------------------|
| Performance remains stable over time | <input type="checkbox"/> | <input type="checkbox"/> |
| No increase in issues during continuous operation | <input type="checkbox"/> | <input type="checkbox"/> |

Quick Risk View

Mostly ✓ → Stable

Several ⚠ → Monitor closely

Multiple ✘ → High risk of instability

When to Check Immediately

- Filling becomes inconsistent
- Dripping or air appears
- Sealing changes
- Feeding becomes unstable

Action Guidance

If issues persist after adjustment:

Check product condition, utilities, and process stability — not only machine settings.

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