



# Manufacturing Quality Control Checklist - Industry Vetted

HYD47852GH / 78945-EXTR-2025 / Line C-3 / 12 Mar 2026

Complete

Score	25 / 38 (65.79%)	Flagged items	13	Actions	9
<b>Product ID / SKU / Serial Number</b>				HYD47852GH Equipment - Industrial Extrusion Machine	
<b>Batch/Lot Number</b>				78945-EXTR-2025	
<b>Production Line</b>				Line C-3	
<b>Site</b>	Facility 4, Manufacturing Plant A				
<b>Inspection Type</b>				In-Process	
<b>Conducted on</b>				12.03.2026 17:30 PST	
<b>Prepared by</b>				Jordan Lee	
<b>Location</b>				Virginia, USA (37.4315734, -78.6568942)	

## Flagged items & Actions

13 flagged, 9 actions

Flagged items

13 flagged, 9 actions

Inspection / Visual

**Product is free from physical damage (cracks, dents, scratches).**

Fail

Minor moisture spots observed near control panel.

**To do** | Priority: Low | Due: 19.03.2026 16:59 PST | Created by: SafetyCulture Staff

Conduct thorough drying and inspect sealing

Conduct thorough drying and inspect sealing on control panel enclosure; retrain operators on moisture control protocols.

Inspection / Visual

**Product is free from water damage or signs of moisture exposure.**

Fail

Slight imbalance detected affecting stability

**To do** | Priority: Low | Due: 19.03.2026 17:00 PST | Created by: SafetyCulture Staff

Adjust and review

Adjust balance weights and review assembly torque settings.

Inspection / Visual

**Product is free from dirt, dust, or contaminants.**

Fail

Small surface impurities found in extrusion section

**To do** | Priority: Low | Due: 19.03.2026 17:01 PST | Created by: SafetyCulture Staff

Conduct inspections

Inspect raw material batches and refine filtration processes.

Inspection / Visual

**Product shows no discoloration, stains, or fading.**

Fail

Noticeable vibration detected during high-speed extrusion runs.

**To do** | Assignee: SafetyCulture Staff | Priority: Low | Due: 19.03.2026 17:01 PST | Created by: SafetyCulture Staff

Recalibrate

Conduct machine recalibration and balance rotor components.

Inspection / Visual

**All external and internal components are correctly assembled.**

Fail

Smudges noted on exterior paint near lower chassis (also noted in Visual section)

**To do** | Assignee: SafetyCulture Staff | Priority: Low | Due: 19.03.2026 17:03 PST | Created by: SafetyCulture Staff

Review procedures

Review painting and handling procedures to prevent damage post-coating.

Inspection / Dimensional & Weight Compliance

**Center of mass is balanced within tolerance limits.**

Fail

**To do** | Assignee: SafetyCulture Staff | Priority: Low | Due: 19.03.2026 17:04 PST | Created by: SafetyCulture Staff

Adjust settings

Adjust balance weights and review assembly torque settings.

Inspection / Material & Structural Integrity

**Material is free from impurities or irregularities.**

Fail

Small surface impurities found in extrusion section

**To do** | Assignee: SafetyCulture Staff | Priority: Low | Due: 19.03.2026 17:05 PST | Created by: SafetyCulture Staff

Perform inspections

Inspect raw material batches and refine filtration processes.

Inspection / Functional & Mechanical Inspection

**Product is free from excessive vibration during use.**

Fail

Noticeable vibration detected during high-speed extrusion runs

**To do** | Assignee: SafetyCulture Staff | Priority: Low | Due: 19.03.2026 17:06 PST | Created by: SafetyCulture Staff

Do recalibration

Conduct machine recalibration and balance rotor components.

Inspection / Aesthetic & Finishing

**Surfaces are free from smudges, streaks, or imperfections.**

Fail

Smudges noted on exterior paint near lower chassis (also noted in Visual section)

**To do** | Priority: Low | Due: 19.03.2026 17:07 PST | Created by: SafetyCulture Staff

Review procedures

Review painting and handling procedures to prevent damage post-coating.

Quality Audit / Table / Row 1

**Status**

Fail

Quality Audit / Table / Row 2

**Status**

Fail

Quality Audit / Table / Row 3

**Status**

Fail

Quality Audit / Table / Row 4

**Status**

Fail

Other actions

0 actions

<b>Inspection</b>	9 flagged, 9 actions, 24 / 33 (72.73%)
Visual	5 flagged, 5 actions, 0 / 5 (0%)
<b>Product is free from physical damage (cracks, dents, scratches).</b>	Fail
Minor moisture spots observed near control panel.	
<b>To do</b>   Priority: Low   Due: 19.03.2026 16:59 PST   Created by: SafetyCulture Staff	
Conduct thorough drying and inspect sealing	
Conduct thorough drying and inspect sealing on control panel enclosure; retrain operators on moisture control protocols.	
<b>Product is free from water damage or signs of moisture exposure.</b>	Fail
Slight imbalance detected affecting stability	
<b>To do</b>   Priority: Low   Due: 19.03.2026 17:00 PST   Created by: SafetyCulture Staff	
Adjust and review	
Adjust balance weights and review assembly torque settings.	
<b>Product is free from dirt, dust, or contaminants.</b>	Fail
Small surface impurities found in extrusion section	
<b>To do</b>   Priority: Low   Due: 19.03.2026 17:01 PST   Created by: SafetyCulture Staff	
Conduct inspections	
Inspect raw material batches and refine filtration processes.	
<b>Product shows no discoloration, stains, or fading.</b>	Fail
Noticeable vibration detected during high-speed extrusion runs.	
<b>To do</b>   Assignee: SafetyCulture Staff   Priority: Low   Due: 19.03.2026 17:01 PST   Created by: SafetyCulture Staff	
Recalibrate	
Conduct machine recalibration and balance rotor components.	
<b>All external and internal components are correctly assembled.</b>	Fail
Smudges noted on exterior paint near lower chassis (also noted in Visual section)	
<b>To do</b>   Assignee: SafetyCulture Staff   Priority: Low   Due: 19.03.2026 17:03 PST   Created by: SafetyCulture Staff	

Review procedures

Review painting and handling procedures to prevent damage post-coating.

### Additional Observations

Dimensional & Weight Compliance

1 flagged, 1 action, 5 / 6 (83.33%)

**Product dimensions are within specified tolerances.**

Pass

**Product weight is within the acceptable range.**

Pass

**Center of mass is balanced within tolerance limits.**

Fail

**To do** | Assignee: SafetyCulture Staff | Priority: Low | Due: 19.03.2026 17:04 PST | Created by: SafetyCulture Staff

Adjust settings

Adjust balance weights and review assembly torque settings.

**Product is free from warping or deformation due to molding or machining.**

Pass

**Dimensional measurements are consistent across the batch.**

Pass

**Product fits correctly with corresponding components or assemblies.**

Pass

### Additional Observations

Material & Structural Integrity

1 flagged, 1 action, 3 / 4 (75%)

**Product is made from the correct material composition.**

Pass

**All components are properly fastened and secure.**

Pass

**Material is free from impurities or irregularities.**

Fail

Small surface impurities found in extrusion section

**To do** | Assignee: SafetyCulture Staff | Priority: Low | Due: 19.03.2026 17:05 PST | Created by: SafetyCulture Staff

Perform inspections

Inspect raw material batches and refine filtration processes.

**Material is appropriately coated or sealed as specified.**

Pass

### Additional Observations

Welding seams inspected and found acceptable

Functional & Mechanical Inspection

1 flagged, 1 action, 4 / 5 (80%)

**Product performs its intended function.**

Pass

**Movements (rotation, sliding, adjustment) operate within safe limits.**

Pass

**No unexpected noises, grinding, or irregular motion are present.**

Pass

**Product is free from excessive vibration during use.**

Fail

Noticeable vibration detected during high-speed extrusion runs

**To do** | Assignee: SafetyCulture Staff | Priority: Low | Due: 19.03.2026 17:06 PST | Created by: SafetyCulture Staff

Do recalibration

Conduct machine recalibration and balance rotor components.

**All mechanical and electronic components operate correctly.**

Pass

**Additional Observations**

Control panel responsiveness is smooth with no errors.

Aesthetic & Finishing

1 flagged, 1 action, 7 / 8 (87.5%)

**Colors, trims, and finishes are correct and consistent.**

Pass

**Logos, labels, and markings are properly applied and legible.**

Pass

**Stickers and decals are free from lifting, peeling, or misalignment.**

Pass

**Surfaces are free from smudges, streaks, or imperfections.**

Fail

Smudges noted on exterior paint near lower chassis (also noted in Visual section)

**To do** | Priority: Low | Due: 19.03.2026 17:07 PST | Created by: SafetyCulture Staff

Review procedures

Review painting and handling procedures to prevent damage post-coating.

**Surface textures are uniform and free from inconsistencies or rough spots.**

Pass

**Edges and seams are smooth, aligned, and free from excess material.**

Pass

<b>Gloss or matte finish matches the specified requirement.</b>	Pass
<b>Decorative elements (embossing, coatings, etc.) are applied correctly.</b>	Pass

**Additional Observations**

Minor paint touch-ups recommended for next maintenance cycle.

Packaging & Labeling	5 / 5 (100%)
<b>Packaging is free from damage, deformities, and defects.</b>	Pass
<b>Prints and labels are clear, color-accurate, and smudge-free.</b>	Pass
<b>Packaging closes securely and protects the product adequately.</b>	Pass
<b>Product is positioned securely within the packaging.</b>	Pass
<b>All required compliance and regulatory labels are present.</b>	Pass

**Additional Observations**

Packaging processes appear effective and consistent. However, please see attached file for the summary of the inspection findings.

[Quality Control Inspection Summary of Actions.pdf](#)

## Quality Audit

4 flagged, 1 / 5 (20%)

	Process / Station	Spec / Standard (Tolerance)	Measurement / Result	Status	Remarks
1	Visual	Product must be free from physical & moisture damage	4 / 5 (80%)	Fail	Minor moisture spots observed near control panel
2	Dimensional & Weight Compliance	Dimensional & Weight Compliance	5 / 6 (83.33%)	Fail	Slight imbalance detected affecting stability
3	Material & Structural Integrity	No excessive vibration during operation	4 / 5 (80%)	Fail	Noticeable vibration during high-speed extrusion runs
4	Aesthetic & Finishing	Surfaces free from smudges & paint defects	7 / 8 (87.5%)	Fail	Smudges noted near lower chassis
5	Packaging & Labeling	100% compliance required	5 / 5 (100%)	Pass	No issues identified

**Completion**

Sign Off

**Inspector signature**

*Jordan Lee*

Jordan Lee  
12.03.2026 17:11 PST

---

**Shift supervisor signature**

*Maria Gonzales*

Maria Gonzales  
12.03.2026 17:11 PST

---

**Line supervisor signature**

*Kevin Brown*

Kevin Brown  
12.03.2026 17:12 PST

---

## Media summary

## File summary

[Quality Control Inspection Summary of Actions.pdf](#)