



# 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 |
|-------|------------------|---------------|----|---------|---|

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| Product ID / SKU / Serial Number | HYD47852GH<br>Equipment - Industrial Extrusion Machine |
| Batch/Lot Number                 | 78945-EXTR-2025                                        |
| Production Line                  | Line C-3                                               |
| Site                             | Facility 4, Manufacturing Plant A                      |
| Inspection Type                  | In-Process                                             |
| Conducted on                     | 12 Mar 2026 17:30 PST                                  |
| Prepared by                      | Jordan Lee                                             |
| Location                         | Virginia, USA<br>(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 Mar 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 Mar 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 Mar 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 Mar 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 Mar 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 Mar 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 Mar 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 Mar 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 Mar 2026 17:07 PST | Created by: SafetyCulture Staff

Review procedures

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

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

|                                                                                                                          |                                        |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Inspection                                                                                                               | 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.                                                                        |                                        |
| To do   Priority: Low   Due: 19 Mar 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                                                                            |                                        |
| To do   Priority: Low   Due: 19 Mar 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                                                                      |                                        |
| To do   Priority: Low   Due: 19 Mar 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.                                                          |                                        |
| To do   Assignee: SafetyCulture Staff   Priority: Low   Due: 19 Mar 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)                                        |                                        |
| To do   Assignee: SafetyCulture Staff   Priority: Low   Due: 19 Mar 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 Mar 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 Mar 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 Mar 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 Mar 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 Mar 2026 17:11 PST

**Shift supervisor signature**

*Maria Gonzales*

Maria Gonzales  
12 Mar 2026 17:11 PST

**Line supervisor signature**

*Kevin Brown*

Kevin Brown  
12 Mar 2026 17:12 PST

## Media summary

## File summary

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