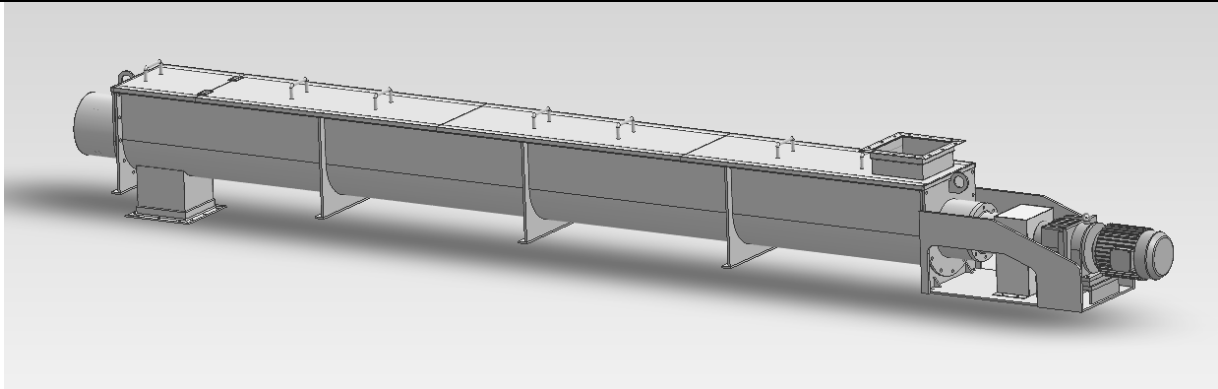


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Project	5204
Equipment name	Dry starch conveyor
Inspector	
Inspection date	
Inspection location	

1. Equipment information

Dry starch conveyor



Unit Tag/ID	H6513
Manufacturer	
Model/Type	
Drawing/ Doc No.	

2. Scope of Inspection

This checklist covers the visual, dimensional, mechanical, and safety inspection requirements for the Dry Starch Conveyor prior to installation, commissioning, or routine reliability checks.

3. Visual inspection

Item	Checkpoint	Acceptance Criteria	Result (OK) or Not OK	Remarks
1	Conveyor frame/ Shell	free from deformation, cracks, spatter, dirt,		
2	Screw	free from tears, deformation, wear,... Welded corners be polished, No spatter, cleaned		
3	Visible welds	smooth, continuous, and without visible defects, polished as per project spec.		
4	Surface finish	according to specification		
5	Tags/ Safety signs/ rotation direction signs	Installed and secured at proper point and readable		
7	Guards and covers	installed and intact		
8	Inside surfaces	free from contaminants		
9	Conveyor path	clear of foreign materials, no loose item left inside		

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4. Mechanical & component inspection

Item	Checkpoint	Acceptance Criteria	Result (OK) or Not OK	Remarks
1	Rotating parts	properly aligned		
2	Bearings	rotate smoothly without noise		
3	Drive motor mounting	secure		
4	Gearbox	Secure and free from leaks and damage		
5	Guards and covers	installed and intact		
6	All screws/ nuts and fixings	are secure, no item is loose		
7	Foundation fixing logs	As per drawing		
8	Anchor bolts/ Lifting logs	As per drawing (Correct size/grade, tightened)		
9	Dust leakage risk point	Screw shaft seals		
		Inspection doors are perfectly sealed		
		Gaskets are in place and seal		
10	Lubrications points	are accessible		

5. Dimensional check

Item	Checkpoint	Acceptance Criteria	Result (OK) or Not OK	Remarks
1	Conveyor's overall dimensions	Acc. To drawing		
2	Distance between inlet and outlet ports	Acc. To drawing		
3	Inlet and outlet flange dimension	Acc. To drawing		
4	Inlet and outlet ports nut/screw holes arrangement	Acc. To drawing		
5	Arrangement of foundation fixing points on equipment structure	Acc. To drawing		
6	Screw dimensions	Pitch and diameter acc. To drawing		
7	Clearances between screw and shell at full length of screw	Acc. To drawing		
8	All material thicknesses	Acc. To drawing		

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6. Electrical, control & drive system

Item	Checkpoint	Acceptance Criteria	Result (OK) or Not OK	Remarks
1	Motor nameplate	Matches specifications		
2	Instrument properly installed, tagged and connected	Match DWG. And P&ID		
3	Junction box	intact and sealed		
4	Cables	properly routed and protected		
5	Earthing connection	Properly in place		
6	Emergency stop switches	Installed and functional		

7. Materials and documentation

Item	Checkpoint	Acceptance Criteria	Result (OK) or Not OK	Remarks
1	Main body parts material	Matches MTO/specs		
2	Screw material	Matches MTO/specs		
3	Other component materials	Matches MTO/specs		
4	Material certificates available and traceable	As per project spec.		

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8. Functional Checks (Cold run for minutes)

Item	Checkpoint	Acceptance Criteria	Result (OK) or Not OK	Remarks
1	Noise and vibration	No odd noise or vibration discovered- No loose item discovered		
2	Motor performance	Can run at speed specified in motor spec.		
		Motor doesn't over heat		
		Motor power and currents at acceptable and design range		
3	Gear box	No odd noise		
		No over heating		
4	Screw	No odd noise		
		No eccentric rotation		
		No clashes with shell		
5	Safety and control system	Emergency stop button works		
		Speed transmitter is functioning properly		
		Safety position switch works properly		

9. Other NCR / Observations

NCR/Obs No.	Description	Acceptance Criteria	Necessary actions

Final Signatures

Inspector	Company	Date	Signature
Contractor	Company	Date	Signature
Client	Company	Date	Signature