

Planetary Mixer Bowl and Agitator Cleaning - JSA - B

en-US · Technical failure review · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time	Location / area		Assessor		Supervisor	
Team signatures						

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Stop and isolate							
HP-2 Remove supported parts							
HP-3 Reassemble and check							
HP-4 Release and transfer							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Stop and isolate	1. Residual-motion contact 2. Bowl-lift pinch 3. Uncontrolled restart	1. Coastdown ignored 2. Lift position unreviewed 3. Plug or disconnect uncontrolled	1. Apply required isolation 2. Secure permitted bowl position 3. Verify restart prevention	1. Agitator actually stopped 2. Lift and bowl state 3. Authorized energy-control owner				
2. Remove supported parts	1. Bowl fall 2. Finger pinch 3. Part damage	1. Bowl support absent 2. Hands in latch path 3. Wrong removal order	1. Support each released part 2. Keep fingers clear of joints 3. Use suitable receiving stands	1. Retainer and removal sequence 2. Handling help and route 3. Safe part storage				
3. Remove food residue	1. Manual-handling strain 2. Contamination spread 3. Unseen component crack	1. Bowl lifted awkwardly 2. Residue crosses clean zone 3. Inspection skipped	1. Provide handling assistance 2. Contain residue separately 3. Inspect component condition	1. Support and handling posture 2. Waste and clean-zone separation 3. Cracks and wear				
4. Wash sanitize and dry	1. Skin injury 2. Electrical water entry 3. Slippery-floor fall	1. Protection unsuitable 2. Body hosed down 3. Drainage obstructed	1. Use assessed protection 2. Prevent machine water entry 3. Maintain drainage and footing	1. Hand and eye protection 2. Dry electrical and drive areas 3. Part and floor condition				
5. Reassemble and check	1. Bowl collision 2. Guarding failure 3. Food contamination	1. Wrong bowl combination 2. Cage not restored 3. Hygiene check omitted	1. Verify permitted clearance 2. Restore required guards 3. Complete hygiene procedure	1. Part match and interference 2. Guard and interlock check 3. Sanitation acceptance status				
6. Hold defects	1. Unexpected motion 2. Unsafe guard bypass 3. Electrical injury	1. Rework while connected 2. Interlock defeated 3. Water entry dismissed	1. Tag affected equipment 2. Refer adjustment to maintenance 3. Hold wet electrical equipment	1. Current isolation state 2. Repair and verification evidence 3. Separate hygiene disposition				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Agitator actually stopped	☐ Retainer and removal sequence	☐ Support and handling posture
☐ Hand and eye protection	☐ Part match and interference	☐ Current isolation state
☐ Authorized energy-control owner	☐ Part and floor condition	☐ Separate hygiene disposition