

Planetary Mixer Bowl and Agitator Cleaning - JSA - A

en-US · Basic task controls · 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. Identify mixer and parts	1. Wrong-part collision 2. Dropped heavy bowl 3. Unsafe removal	1. Similar parts mixed 2. Weight unknown 3. Model sequence absent	1. Match mixer bowl and agitator 2. Plan handling assistance 3. Obtain cleaning instructions	1. Model and component IDs 2. Bowl mass and handling 3. Permitted removal scope				
2. Stop and isolate	1. Unexpected rotation 2. Residual-motion contact 3. Bowl-lift pinch	1. Guard stop trusted alone 2. Coastdown ignored 3. Lift position unreviewed	1. Wait for complete stop 2. Apply required isolation 3. Secure permitted bowl position	1. Source and isolation record 2. Agitator actually stopped 3. Lift and bowl state				
3. Remove supported parts	1. Agitator drop 2. Bowl fall 3. Finger pinch	1. Retainer released unsupported 2. Bowl support absent 3. Hands in latch path	1. Follow model sequence 2. Support each released part 3. Keep fingers clear of joints	1. Bowl and agitator support 2. Retainer and removal sequence 3. Handling help and route				
4. Wash sanitize and dry	1. Chemical splash 2. Skin injury 3. Electrical water entry	1. Wrong product concentration 2. Protection unsuitable 3. Body hosed down	1. Follow product conditions 2. Use assessed protection 3. Prevent machine water entry	1. Product dilution and contact basis 2. Hand and eye protection 3. Dry electrical and drive areas				
5. Reassemble and check	1. Agitator release 2. Bowl collision 3. Guarding failure	1. Latch incomplete 2. Wrong bowl combination 3. Cage not restored	1. Match and secure parts 2. Verify permitted clearance 3. Restore required guards	1. Bowl lock and agitator latch 2. Part match and interference 3. Guard and interlock check				
6. Release and transfer	1. Foreign-object contamination 2. Unaccepted machine use 3. Missing-part restart	1. Tool count omitted 2. Cleaning equals release 3. Component not restored	1. Account for tools and parts 2. Separate operating acceptance 3. Confirm restored configuration	1. Parts and tool count 2. Safe-operation check 3. Hygiene release				

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

4. Pre-work checklist

☐ Model and component IDs	☐ Source and isolation record	☐ Bowl and agitator support
☐ Product dilution and contact basis	☐ Bowl lock and agitator latch	☐ Parts and tool count
☐ Permitted removal scope	☐ Dry electrical and drive areas	☐ Hygiene release