

Balman Inspection Items

User	_____ Name
Machine	BMS,BMS-C

Serial No.: \_\_\_\_\_  
 Location of installation: \_\_\_\_\_

Date of inspection: \_\_\_\_\_ Date: \_\_\_\_\_  
 Person inspecting: \_\_\_\_\_

No.	Check sheet	Method of inspection:	Date of inspection:	Condition	Description of work done:	Remarks:
Main body and mounting	1	Check air set drain level	Drain piping	A	Good · Not good	
	2	Clean air set element	Disassemble and clean	B	Good · Not good	
	3	Replace air set element	Disassemble and replace	C	Good · Not good	
	4	Check air piping hoses, joints, etc. for damage and leaks	Visually inspect and feel	A	Good · Not good	
	5	Check to make sure nuts and bolts are tight. Tighten if necessary. (1) Mounting (2) Main body, arm (3) End Effector and end effector mounts (4) Other	Visually inspect and tighten	△	Good · Not good	
				B	Good · Not good	
				B	Good · Not good	
				A	Good · Not good	
	6	Check for abnormalities such as missing or damaged bearings, snap rings, etc.	Visually inspect	A	Good · Not good	
	7	Check for unusual noise and vibration during operation	Confirm operation	A	Good · Not good	
	8	Confirm switches, limit switches, etc. operate normally	Confirm operation	B	Good · Not good	
	9	Check for looseness in the parallel rod lock nut	Visually inspect and tighten	B	Good · Not good	
	10	Check and adjust brake on swivel fitting section	Operate and adjust	B	Good · Not good	
	11	Check for abnormal wear or damage to guide rail sections, etc.	Visually inspect	C	Good · Not good	
	12	Check for abnormal wear and tear on the LM guide, check lubrication and lubricate.	Visually inspect	C	Good · Not good	
13	Check for abnormalities and cracks in welds, etc.	Visually inspect	C	Good · Not good		
14	Inspect or replace hooks on the chain and mounting bolts	Disassemble and visually inspect	C	Good · Not good		
15	Check for abnormal movement in horizontal operation	Confirm operation	C	Good · Not good		
16	Check the jump prevention unit (1) Check operation (confirm that the arm moves up and down, and the jump locks in place). (2) Check oil leaks (3) Check for loose screws (4) Check for deformation and damage of the shaft	Confirm operation Visually inspect and tighten	△	Good · Not good		
			A	Good · Not good		
			A	Good · Not good		
			A	Good · Not good		
			A	Good · Not good		
End effector	17	Check vacuum pads for wear, damage, etc.	Visually inspect, feel and replace	B	Good · Not good	
	18	Check for wear and damage to claws, etc.	Visually inspect	B	Good · Not good	
	19	Check air cylinder for air leaks and proper operation	Confirm operation	C	Good · Not good	
	20	Other			Good · Not good	

Inspection interval...A: Daily; B: One-month (all items including daily inspection); C: Six-month (all items including daily and one-month inspections)  
 Action [V: Inspect; C: Clean; OV: Disassemble; △: Repair; ▲: Replace; A: Adjust; O: Tighten; □: Lubricate]