

Attachment E1

Set-up Control Log Matrix for Gravity Fed

SET-UP CONTROL LOG MATRIX FOR GRAVITY FED MACHINE									Revision: 2
INPUT VARIABLE			PLATFORM (GRAVITY FED MACHINE)						
Item	Items To Check	Frequency	AT28DOS	AT28WB	AT128	G6L	MICROVISION	8005	ST60
1	Housekeeping / Grounding check	Start of shift	✓	✓	✓	✓	✓	✓	✓
2	Input / Ouput Tube gripper	Start of shift	✓	✓	✓	✓	N/A	✓	N/A
3	Check Reel / Tube qty requirement	Every set-up	N/A	N/A	N/A	N/A	✓	N/A	N/A
4	Air Ionizer blower/Close Loop Ionizer (Functionality and Presence of Emitter)	Start of shift	✓	✓	✓	✓	✓	✓	✓
5	Ground Fault System	Start of Shift	✓	✓	✓	✓	✓	✓	✓
6	Check machine configuration and setting	Every set-up/ hang-up	✓	✓	✓	✓	✓	✓	✓
7	Sealing Shoe Cleaning and Alignment	Start of shift / Every set-up	✓	✓	✓	✓	✓	✓	✓
8	Cover Tape Guide / PBFT Strip	Every set-up	✓	✓	✓	✓	✓	✓	✓
9	Rail guide cover	Every set-up	✓	✓	✓	N/A	✓	✓	N/A
10	Device placement	Every set-up	✓	✓	✓	✓	✓	✓	✓
11	Out of pocket/empty pocket sensor/Floating Mechanism	Every set-up	✓	✓	✓	✓	✓	✓	✓
12	Input track inlet and sensor alignment	Every set-up	✓	✓	✓	N/A	✓	✓	N/A
13	Output track inlet and sensor alignment	Every set-up	✓	✓	✓	N/A	✓	✓	N/A
14	Precisor alignment / Functionality	Every set-up	✓	✓	✓	✓	N/A	✓	N/A
15	Mark Inspection "ON"	Start of shift / every set-up / hang-up	✓	✓	✓	✓	✓	✓	✓
16	Lead Inspection "ON"	Start of shift / every set-up / hang-up	✓	✓	✓	✓	✓	✓	✓
17	Pin1 orientation inspection "ON"	Start of shift/ every set-up/hang-up	✓	✓	✓	✓	✓	✓	✓
18	Pitch inspection "ON"	Start of shift/ every set-up/hang-up	N/A	N/A	N/A	✓	N/A	N/A	N/A
19	Tip-to-tip inspection "ON"	Start of shift/every set-up/hang-up	✓	✓	✓	✓	✓	N/A	✓
20	Skew inspection "ON"	Start of shift/ every set-up/hang-up	N/A	N/A	N/A	✓	N/A	N/A	N/A
21	Verification of Pin 1 Identifier	Every Set-up	✓	✓	✓	N/A	N/A	✓	N/A
22	Vision calibration /correlation	Every change of package type/lead count/hang-up	✓	✓	✓	✓	✓	✓	✓
23	Proportionality factor (AT28/AT128)	Start of shift /every set-up/hang-up	✓	✓	✓	N/A	N/A	✓	N/A
24	Double feed detector	Start of shift /every set-up	✓	✓	✓	✓	✓	N/A	N/A
25	Check PnP rubber tip / suction cup	Start of shift / every set-up	✓	✓	✓	✓	✓	✓	✓
26	Check sorter alignment	Every week	✓	✓	✓	✓	N/A	✓	N/A
27	Discard 3 units	Every set-up	✓	✓	✓	✓	✓	N/A	N/A
28	Floating bar sensor height limit = 0.5mm	Every set-up	N/A	N/A	N/A	✓	N/A	N/A	N/A
29	PVI inspection "ENABLE" (White Defect)	Start of shift /every set-up	N/A	N/A	N/A	✓	N/A	N/A	N/A
30	PVI inspection "ENABLE" (Black Defect)	Start of shift /every set-up	N/A	N/A	N/A	✓	N/A	N/A	N/A
31	Input tube adjuster lock	Start of shift / every set-up	✓	✓	✓	N/A	N/A	✓	N/A
32	CDA Leakage Monitoring	Start of Shift	✓	✓	✓	N/A	✓	✓	✓
33	5 /11 units set up verifier	Daily / Every detape set up	✓	✓	✓	N/A	N/A	N/A	✓

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