

Attachment E3
Set-up Control Matrix for Tray Based

SET-UP CONTROL LOG MATRIX FOR TRAY BASED MACHINE								Revision: 2
	INPUT VARIABLE		PLATFORM (TRAY BASED MACHINE)					
Item	Items To Check	Frequency	HEXA	HEXA (AMS)	HEXA (BGA)	MV996	VITROX (TR1K, TR2K, TR3K)	VITROX (TR1K, TR2K, TR3K) - ADCV Lots
1	Housekeeping / Grounding Check	Start of shift	✓	✓	✓	✓	✓	✓
2	Air Ionizer blower / Close Loop Ionizer (Functionality and Presence of Emitter)	Start of shift	✓	✓	✓	✓	✓	✓
3	Ground Fault System	Start of shift	✓	✓	✓	✓	✓	✓
4	Machine Safety Cover Interlock	Start of shift	✓	✓	✓	✓	✓	✓
5	Suction Cup	Start of shift / Every set-up	✓	✓	✓	✓	✓	✓
6	CDA Leakage	Start of shift	✓	✓	✓	N/A	N/A	N/A
7	File Name Used	Start of shift	N/A	N/A	N/A	✓	✓	✓
8	Tray Bias Cylinder	Start of shift / Every set-up	✓	✓	✓	N/A	N/A	N/A
9	Out of Pocket Sensor	Every set-up	✓	✓	✓	✓	✓	✓
10	Empty Pocket Sensor	Every set-up	N/A	N/A	N/A	✓	✓	✓
11	Out of Cavity Sensor	Every set-up	✓	✓	✓	N/A	N/A	N/A
12	Device Placement (Precisor,OTF, PP1-3, Reject and Taper PnP)	Every set-up	✓	✓	✓	✓	✓	✓
13	Sealing Shoe Cleaning and Alignment	Start of shift / Every set-up	✓	✓	✓	✓	✓	✓
14	Carrier Tape guide / Track Cover / Rail guide cover	Every set-up	✓	✓	✓	✓	✓	✓
15	Cover Tape Guide/Casting / PBFT Strip	Every set-up	✓	✓	✓	✓	✓	✓
16	Seal Cover	Start of the Shift	N/A	N/A	N/A	✓	✓	✓
17	Floating Bar (3mm, 4mm, 5mm, 6mm and up)	Every set-up / Every change of material	N/A	N/A	N/A	N/A	✓	✓
18	Mark Inspection "ON"	Start of shift / every set-up / every hang-up	✓	✓	✓	✓	✓	✓
19	Pin 1 Orientation Inspection "ON"	Start of shift / every set-up / every hang-up	✓	✓	✓	✓	✓	✓
20	Lead / Ball / Pad Inspection "ON"	Start of shift / every set-up / every hang-up	✓	✓	✓	✓	✓	✓
21	Machine Lead / Ball / Pad tolerance setting	Start of shift / every set-up / every hang-up	✓	✓	✓	✓	✓	✓
22	Cross package inspection "ON"	Start of shift / every set-up / every hang-up	✓	✓	✓	N/A	N/A	N/A
23	Vision Correlation	Every change of package type/lead count/hang-up	✓	✓	✓	✓	✓	✓
24	In-Pocket Inspection "ON"	Start of shift / every set-up / every hang-up	✓	✓	✓	✓	✓	✓
25	Top PVI Inspection Enabled (White defect)	Start of shift / every set-up / every hang-up	✓	✓	✓	N/A	✓	✓
26	Top PVI Inspection Enabled (Black defect)	Start of shift / every set-up / every hang-up	✓	✓	✓	N/A	✓	✓
27	Bottom PVI Inspection Enabled (White defect)	Start of shift / every set-up / every hang-up	✓	✓	✓	N/A	✓	✓
28	Bottom PVI Inspection Enabled (Black defect)	Start of shift / every set-up / every hang-up	✓	✓	✓	N/A	✓	✓
29	In-pocket PVI Inspection Enabled (White defect)	Start of shift / every set-up / every hang-up	N/A	N/A	N/A	N/A	✓	✓
30	In-pocket PVI Inspection Enabled (Black defect)	Start of shift / every set-up / every hang-up	N/A	N/A	N/A	N/A	✓	✓