Calibration Report

X100: 322

app:	installation
recipe_version:	1.0
serial:	322
hardware:	X100
hostname:	scopiobox1171
user:	Service Scopiolabs
user_name:	Service Scopiolabs
user_id:	3
transfer version:	2.1.3
status:	complete
started:	2022-09-15 14:15:05 UTC
recipe:	installation
current_step:	6
finished:	2022-09-15 14:38:38 UTC

Date	Calibration	Message	Results	Status	Acceptance Criteria	Evidence
2022-09-15 14:16:12 UTC	Check total physical memory	Physical memory size meets the expectation	{}	success	1. check ramdisk space >=64 * 1e9(bit)	
2022-09-15 14:17:04 UTC	S3 pull	Values pulled from S3 successfully	{}	success		
2022-09-15 14:17:45 UTC	Restart servers	servers restarted successfully	{}	success		
2022-09-15 14:24:32 UTC	Initialize z	Focus found, you can carry on with calibration	{"time": 56.393, "z_final": 520.64}	success	1. autofocus found focus =True(boolean)	
2022-09-15 14:28:54 UTC	Recalc z	Z limit is recalculate	{"time": 10.562, "z_final": 499.07}	success	1. autofocus found focus =True(boolean)	

Date	Calibration	Message	Results	Status	Acceptance Criteria	Evidence
2022-09-15 14:29:24 UTC	Stage tilt calculation	No tilt fixing needed. Ready to work	{"time": 28, "screw to turn": "screw 2", "turn2": 31.982400000000002, "turn3": -22.3308, "score": 0.93682}	success	1. the fraction needed to turn screw 2 to elimiate stage tilt <=0.11(fraction of screw turn) 2. the fraction needed to turn screw 3 to elimiate stage tilt <=0.11(fraction of screw turn)	
2022-09-15 14:30:41 UTC	XY engines accuracy	XY engines errors are within specs	{"time": 72.508, "bad_move_prec": 0.0, "fast_pos_comp": 50, "fast_neg_comp": -50, "slow_ax_comp": {"neg": -5, "pos": 0}, "mean_crosstalk_pos_move": -0.69, "mean_crosstalk_neg_move": 0.56}	success	1. precentage of bad moves detected <=5(precentage) 2. mean crosstalk moves <=3(um)	
2022-09-15 14:35:31 UTC	New motors tilt calculation	Motor - stage tilts are within specs	{"x_motor_tilt": 0.0006710312826725559, "y_motor_tilt": -0.0009695217399604088}	success	1. angle between z axis and x with slide inconcictencies in considerations <=0.04(angle) 2. angle between z axis and y with slide inconcictencies in considerations <=0.04(angle) 3. r**2 of tilt >=0.85(none)	
2022-09-15 14:37:06 UTC	Vibration decay time - X movement	Settling time is within specs	{"time": 41.751, "x_settling_time": 82.45795862769569, "y_settling_time": 10.655412908503385, "normal_score": 201.18972119998782}	success	1. checks std vibration in x axis <=120(ms) 2. max value of std setteling time (x or y axis) <=15(ms) 3. max value of mean setteling time (x or y axis) <=350(ms) 4. checks if std fits the required settling time in x axis =True(boolean)	

Date	Calibration	Message	Results	Status	Acceptance Criteria	Evidence
2022-09-15 14:37:48 UTC	Vibration decay time - Y movement	Settling time is within specs	{"time": 38.819, "x_settling_time": 10.35031633820925, "y_settling_time": 116.21769675807693, "normal_score": 198.6318730000395}	success	1. checks std vibration in y axis <=240(ms) 2. max value of std setteling time (x or y axis) <=15(ms) 3. checks if std fits the required settling time in y axis =True(boolean)	
2022-09-15 14:38:35 UTC	S3 push	Values stored to S3 successfully	{}	success		