

M500/600 System Variables

Company _____

S/N _____

Tech _____

Date _____

Opcode	Name/Description	6"	5"	4"	Current
3	View Position	4725	4438	4228	
4	Start of Scan	7411	7047	6547	
8	Exposure Constant	1	1	1	
9	Area Ratio	1	1	1	
		2 0.6851	0.6851	0.6851	
		3 0.3538	0.3538	0.3538	
		4 0.1859	0.1859	0.1859	
11	Focus	0,0,0	0,0,0	0,0,0	
13	# of Uniformity Samples	49	45	35	
20	Align Site Radius (inches)	L	2500	2000	1500
		R	2500	2000	1500
30	Micro Stage Scale Factor	X	400	400	400
		Y1	400	400	400
		Y2	400	400	400
103	Actuator Units / Micron	A	0	0	0
		B	0	0	0
		C	0	0	0
104	Actuator Tolerance	A	5	5	5
		B	5	5	5
		C	5	5	5
107	Sensor Time Delay	2	2	2	
108	Samples / Sensor	8	8	8	
110	Stage Select	1	1	1	
	# of Exposures	17	17	17	
	Scan Displacement	100	100	100	
	Cross Scan Displacement	100	100	100	
	Focal Plane Shift	2	2	2	
121	Starting Actuator Position	A	0	0	0
		B	0	0	0
		C	0	0	0
122	Adjustment to Fourth Gauge	0	0	0	
123	Flatness Tolerance	4	4	4	
200	Kamen Gage Positions (Microns)	LX	XXX	XXX	XXX
		RX	XXX	XXX	XXX
		LZ	XXX	XXX	XXX
		RZ	XXX	XXX	XXX

Service Consortium, Inc.

1759 South Main Street Suite 100
 Milpitas, CA 95035-6765
 (408) 935-9700 • Fax: (408) 719-9700

Opcode	Name/Description		6"	5"	4"	Current
205	Kamen Gage Positions (HEX)	LX	XXX	XXX	XXX	
		RX	XXX	XXX	XXX	
		LZ	XXX	XXX	XXX	
		RZ	XXX	XXX	XXX	
235	Batch Mag Limits (PPM)	upper	40	40	40	
		lower	40	40	40	
236	AFA Mag Threshold		40	40	40	
240	Initial Scan Mag (PPM)		0	0	0	
245	User Scan Mag (PPM)		0	0	0	
250	User Batch Mag		0	0	0	
254	Instrument Skew (PPM)		0	0	0	
255	Mask Skew (PPM)		0	0	0	
270	Nominal Shell Position	LX	800	800	800	
		RX	800	800	800	
		LZ	800	800	800	
		RZ	800	800	800	
280	Kaman Gage Count	LX	800	800	800	
		RX	800	800	800	
		LZ	800	800	800	
		RZ	800	800	800	
290	Minimag Cal Position	Low	-15	-15	-15	
		High	15	15	15	
292	Mag VPC	Scale	1	1	1	
		Offset	-3.8	-3.8	-3.8	
293	Mag Gage	Scale	1	1	1	
		Offset	0	0	0	
294	Mag Closed Loop Constants					
	Dead Zone		30	30	30	
	Integ. Constant		20	20	20	
	Integ. Cutoff		85	85	85	
	Interval Time		10	10	10	
	Settling Time		50	50	50	
	Stabilizing Count		500	500	500	
295	Mag Loop (Closed = 0)		0	0	0	

Opcode	Name/Description	6"	5"	4"	Current	
410	Elec. Settings for Unif. Tester and Power Measurement (Hex)					
	Diag MDAC Values	UV-2	0	0	0	
		UV-3	0	0	0	
		UV-4	428	428	428	
		Unif. Tester	59F	59F	59F	
		Lin. Drive	AA9	AA9	AA9	
	Diag PGIA Values	UV-2	0	0	0	
		UV-3	0	0	0	
		UV-4	1	1	1	
		Unif. Tester	0	0	0	
	Diag Input Spec.		1	1	1	
	Perm. MDAC Values	UV-2	0	0	0	
		UV-3	0	0	0	
		UV-4	428	428	428	
Unif. Tester		59F	59F	59F		
Lin. Drive		AA9	AA9	AA9		
Perm. PGIA Values	UV-2	0	0	0		
	UV-3	0	0	0		
	UV-4	1	1	1		
	Unif. Tester	0	0	0		
440	Uniformity Sensetivities	UV-2	0.0005	0.0005	0.0005	
		UV-3	0.0005	0.0005	0.0005	
		UV-4	0.0001	0.0001	0.0001	
	Intensity Monitor Sensetivities	UV-2	0.00005	0.00005	0.00005	
		UV-3	0.00005	0.00005	0.00005	
		UV-4	0.0005	0.0005	0.0005	
460	Uniformity Table Option	1	1	1		
670	Alignment Offset (Microns)	Cross Scan	0	0	0	
		Scan Left	0	0	0	
		Scan Right	0	0	0	
675	I/A LED Current	7FF	7FF	7FF		
680	I/A Nominal Positions	A	800	800	800	
		B	800	800	800	
		C	800	800	800	
		D	X	X	X	
695	I/A Configuration M500 or M200	X	X	X		
785	Configuration Code					

AFA

Opcode	Name/Description	6"	5"	4"	Current
2300	Alignment Tolerance	0.1	0.1	0.1	
2301	Runout Tolerance	5.5	5.5	5.5	
2304	Align to Offset	0	0	0	0

		ORIG	CURRENT			ORIG	CURRENT			ORIG	CURRENT
2327	T/M Positions (Macro)	XXA			XYL			XYR			
		Y1XA			Y1YL			Y1YR			
		Y2XA			Y2YL			Y2YR			
		MXXA			MXYL			MXYR			
		MY1XA			MY1YL			MY1YR			
		MY2XA			MY2YL			MY2YR			
2328	T/M Positions (Micro)	XXA			XYL			XYR			
		Y1XA			Y1YL			Y1YR			
		Y2XA			Y2YL			Y2YR			
		MXXA			MXYL			MXYR			
		MY1XA			MY1YL			MY1YR			
		MY2XA			MY2YL			MY2YR			

Opcode	Name/Description	6"	5"	4"	Current
2340	Carriage Delay	0	0	0	
2342	Iteration Delay	1	1	1	
2349	Maximum Iterations	8	8	8	
2356	Micro Maximum Steps	1000	1000	1000	
2370	T/M Macro Steps	150	150	150	
2371	T/M Micro Steps	1000	1000	1000	
5100	Integration Time	150	150	150	
5102	Auto Integration Flag	0	0	0	
5103	# of Integration Corrections	5	5	5	
5104	Illumination Range	Min. Max.	2250 3750	2250 3750	2250 3750
5105	# of Lines/Quadrant	4	4	4	

Opcode	Name/Description	6"	5"	4"	Current
5106	Line Width	14	14	14	
5109	FM Threshold	400	400	400	
5110	Validity Check	0.8	0.8	0.8	
5112	Auto Search Flag	0,15,490	0,15,490	0,15,490	
5113	Divergence	0.25	0.25	0.25	
5115	Line Spacing	Q0 230 34	230 34	230 34	
		Q1 230 34	230 34	230 34	
		Q2 230 34	230 34	230 34	
		Q3 230 34	230 34	230 34	
5117	Auto Mag Flag	0,3,5,0	0,3,5,0	0,3,5,0	
5122	Graphics Flag	0	0	0	
5123	5023 Scale	41	41	41	