Device #9

	LOT#	Device#9 Date	09/01/06		
Slot No		Slot No		Slot Number	
1		51	31	100	1.31
2		52	30	101	1.30
3	1.32	53	29	102	1.31
4	.30	54	29	103	1.31
5	.31	55	29	104	1.29
6	.31	56	28	105	1.31
7	.31	57	29	106	1.30
8	31	58	28	107	1.30
9	30	59	29	108	1.31
10	30	60	1.31	109	1.31
11	305	61	1.31	110	1.31
12	307	62	1.29	111	1.30
13	30	63	1.31	112	1.30
14	29	64	1.31	113	1.30
15	31	65	1.31	114	1.31
16	29	66	1.30	115	1.31
17	31	67	1.29	116	1.31
18	31	68	1.31	117	1.31
19	30	69	1.30	118	1.31
20	31	70	1.31	119	1.31
21	30	71	1.31	120	1.30
22	31	72	1.30	121	1.31
23	30	73	1.30	122	1.29
24	31	74	1.31	123	1.31
25	32	75	1.31	124	1.31
26	31	76	1.30	125	1.31
27	31	77	1.31	126	1.31
28	31	78	1.30	127	1.30
29	29	79	1.31	128	1.30
30	31	80	1.30	129	1.31
31	31	81	1.30	130	1.31
32	31	82	1.29	131	1.31
33	31	83	1.31	132	1.31
34	30	84	1.31	133	1.31
35	30	85	1.32	134	1.31
36	31	86	1.31	135	1.31
37	31	87	1.31	136	1.31
38	31	88	1.29	137	1.30
39	29	89	1.31	138	1.31
40	30	90	1.30	139	1.31
41	31	91	1.30	140	1.30
42	31	92	1.30	141	1.30
43	30	93	1.29	142	1.31
44	31	94	1.31	143	1.31
45	30	95	1.30	144	1.31
46	31	96	1.29	145	1.30
47	29	97	1.30	146	1.31
48	31	98	1.31	147	1.30
49	31	99	1.31	148	1.32
50	31			149	1.31

Slot Number		Slot Number	
150	1.30	200	1.31
151	1.31	201	1.30
152	1.29	202	1.31
153	1.31	203	1.30
154	1.31	204	1.31
155	1.31	205	1.30
156	1.31	206	1.30
157	1.30	207	1.31
158	1.30	208	1.31
159	1.30	209	1.30
160	1.31	210	1.30
161	1.31	211	1.30
162	1.31	212	1.30
163	1.30	213	1.29
164	1.30	214	1.30
165	1.30	215	1.31
166	1.31	216	1.31
167	1.31	217	1.31
168	1.30	218	1.31
169	1.30	219	1.31
170	1.32	220	1.30
171	1.31	221	1.30
172	1.30	222	1.32
173	1.29	223	1.26
174	1.31	224	0.75
175	1.31	225	
176	1.31		
177	1.31		
178	1.31		
179	1.31		
180	1.31		
181	1.31		
182	1.31		
183	1.31		
184	1.31		
185	1.31		
186	1.31		
187	1.30		
188	1.31		
189	1.31		
190	1.31		
191	1.31		
192	1.31		
193	1.31		
194	1.30		
195	1.30		
196	1.30		
197	1.31		
198	1.31		
199	1.31		

Vassy

Emil Trachtenberg

08/01/2006

#9

LOT15 magnets Serial # 6721-7200

Bottom Jaw

Slot Number	Serial No.	Main filed Orientation	x-axis orientation
1	6949	Upstream	Right
2	6735	Downstream	Right
3	7015	Upstream	Left
4	7191	Downstream	Left
5	7096	Upstream	Left
6	7198	Downstream	Right
7	6974	Upstream	Left
8	6807	Downstream	Right
9	6922	Upstream	Left
10	6951	Downstream	Left
11	6935	Upstream	Left
12	7167	Downstream	Right
13	6957	Upstream	Left
14	7176	Downstream	Left
15	6883	Upstream	Left
16	7193	Downstream	Right
17	7077	Upstream	Left
18	7178	Downstream	Right
19	7075	Upstream	Left
20	7142	Downstream	Left
21	6968	Upstream	Left
22	6856	Downstream	Left
23	6872	Upstream	Left
24	7146	Downstream	Right
25	6893	Upstream	Right
26	6740	Downstream	Left
27	6727	Upstream	Left
28	6736	Downstream	Right
29	6936	Upstream	Left
30	6721	Downstream	Left
31	7009	Upstream	Right
32	7164	Downstream	Left
33	7006	Upstream	Left
34	6896	Downstream	Left
35	7016	Upstream	Right
36	6992	Downstream	Right
37	6788	Upstream	Right
38	7174	Downstream	Left
39	6937	Upstream	Right
40	6822	Downstream	Right
41	7035	Upstream	Right
42	7179	Downstream	Left
43	6878	Upstream	Right
44	6861	Downstream	Right
45	6783	Upstream	Left
46	6860	Downstream	Left
47	6948	Upstream	Right

Top Jaw

Slot Number	Serial No.	Main filed Orientation	x-axis orientation
1	7175	Downstream	Left
2	6777	Upstream	Left
3	7199	Downstream	Right
4	6943	Upstream	Right
5	7190	Downstream	Right
6	6920	Upstream	Right
7	7195	Downstream	Left
8	6961	Upstream	Left
9	7165	Downstream	Right
10	6942	Upstream	Left
11	7184	Downstream	Left
12	7090	Upstream	Right
13	7172	Downstream	Left
14	6962	Upstream	Right
15	7114	Downstream	Right
16	6899	Upstream	Left
17	7181	Downstream	Left
18	6999	Upstream	Right
19	7200	Downstream	Left
20	7057	Upstream	Right
21	6746	Downstream	Left
22	6828	Upstream	Left
23	7166	Downstream	Right
24	6925	Upstream	Right
25	6846	Downstream	Left
26	6728	Upstream	Right
27	6782	Downstream	Right
28	7141	Upstream	Left
29	7180	Downstream	Left
30	6770	Upstream	Right
31	6798	Downstream	Left
32	6812	Upstream	Right
33	7194	Downstream	Right
34	6986	Upstream	Left
35	6759	Downstream	Left
36	7084	Upstream	Left
37	6773	Downstream	Left
38	7007	Upstream	Left
39	7127	Downstream	Left
40	6819	Upstream	Left
41	6776	Downstream	Right
42	6894	Upstream	Left
43	7124	Downstream	Right
44	6940	Upstream	Left
45	6794	Downstream	Left
46	6767	Upstream	Right
47	7157	Downstream	Left

48	6732	Downstream	Left
49	6966	Upstream	Left
50	6730	Downstream	Right
51	7037	Upstream	Left
52	6867	Downstream	Right
53	6876	Upstream	Right
54	6952	Downstream	Right
55	7105	Upstream	Left
56	6980	Downstream	Right
57	6890	Upstream	Left
58	6841	Downstream	Left
59	6842	Upstream	Right
60	6748	Downstream	Right
61	7066	Upstream	Right
62	7154	Downstream	Left
63	6975	Upstream	Left
64	6784	Downstream	Right
65	6934	Upstream	Right
66	6865	Downstream	Left
67	7018	Upstream	Left
68	7036	Downstream	Right
69	7161	Upstream	Right
70	6995	Downstream	Right
71	7033	Upstream	Right
72	6909	Downstream	Left
73	6799	Upstream	Right
74	7122	Downstream	Left
75	6977	Upstream	Right
76	6858	Downstream	Right
77	6911	Upstream	Left
78	6824	Downstream	Right
79	6929	Upstream	Right
80	7118	Downstream	Left
81	6800	Upstream	Left
82	6757	Downstream	Right
83	7024	Upstream	Right
84	6797	Downstream	Left
85	7060	Upstream	Left
86	7170	Downstream	Right
87	6924	Upstream	Right
88	7045	Downstream	Right
89	6832	Upstream	Left
90	7025	Downstream	Right
91	7080	Upstream	Right
92	6821	Downstream	Left
93	6915	Upstream	Right
94	6902	Downstream	Left
95	6886	Upstream	Right
96	6963	Downstream	Right
97	6990	Upstream	Right
98	6823	Downstream	Left
99	6953	Upstream	Left

48	7008	Upstream	Right
49	7119	Downstream	Right
50	6785	Upstream	Right
51	6834	Downstream	Right
52	7072	Upstream	Left
53	6836	Downstream	Right
54	7071	Upstream	Right
55	6879	Downstream	Left
56	7104	Upstream	Left
57	7131	Downstream	Left
58	7070	Upstream	Left
59	7042	Downstream	Left
60	6917	Upstream	Left
61	7049	Downstream	Left
62	7095	Upstream	Left
63	7019	Downstream	Right
64	6722	Upstream	Right
65	6795	Downstream	Left
66	7020	Upstream	Right
67	6775	Downstream	Right
68	6954	Upstream	Left
69	6765	Downstream	Right
70	6769	Upstream	Right
71	7140	Downstream	Left
72	6887	Upstream	Left
73	7149	Downstream	Right
74	7110	Upstream	Left
75	6756	Downstream	Left
76	6960	Upstream	Right
77	6774	Downstream	Right
78	6994	Upstream	Left
79	6752	Downstream	Right
80	6830	Upstream	Left
81	6731	Downstream	Right
82	7078	Upstream	Left
83	6863	Downstream	Right
84	7003	Upstream	Right
85	7143	Downstream	Left
86	7111	Upstream	Right
87	7128	Downstream	Right
88	7056	Upstream	Left
89	6946	Downstream	Left
90	7064	Upstream	Right
91	6764	Downstream	Right
92	6969	Upstream	Left
93	6897	Downstream	Right
94	6742	Upstream	Right
95	7138	Downstream	Right
96	6805	Upstream	Left
97	7183	Downstream	Left
98	6815	Upstream	Left
99	6744	Downstream	Right

100	7171	Downstream	Left
101	6809	Upstream	Left
102	7117	Downstream	Left
103	7022	Upstream	Right
104	7156	Downstream	Right
105	7062	Upstream	Left
106	7130	Downstream	Left
107	7101	Upstream	Left
108	7159	Downstream	Left
109	7048	Upstream	Left
110	7135	Downstream	Right
111	6837	Upstream	Right
112	7147	Downstream	Left
113	6869	Upstream	Left
114	7065	Downstream	Right
115	6734	Upstream	Left
116	6817	Downstream	Right
117	7029	Upstream	Left
118	6851	Downstream	Right
119	6989	Upstream	Left
120	6885	Downstream	Right
121	6913	Upstream	Right
122	6923	Downstream	Left
123	7011	Upstream	Left
124	6793	Downstream	Right
125	6847	Upstream	Right
126	7116	Downstream	Right
127	7074	Upstream	Right
128	6827	Downstream	Left
129	7189	Upstream	Left
130	6816	Downstream	Right
131	7123	Upstream	Right
132	6802	Downstream	Right
133	7001	Upstream	Right
134	7139	Downstream	Right
135	6751	Upstream	Right
136	6762	Downstream	Left
137	6932	Upstream	Right
138	6726	Downstream	Right
139	6843	Upstream	Right
140	7012	Downstream	Right
141	6979	Upstream	Left
142	6866	Downstream	Left
143	6877	Upstream	Right
144	6820	Downstream	Right
145	6987	Upstream	Left
146	7160	Downstream	Right
147	6808	Upstream	Left
148	7102	Downstream	Left
149	6972	Upstream	Left
150	6857	Downstream	Left
151	6918	Upstream	Right

100	6996	Upstream	Left
101	6831	Downstream	Left
102	6723	Upstream	Left
103	7005	Downstream	Left
104	7133	Upstream	Right
105	7153	Downstream	Left
106	7158	Upstream	Right
107	7026	Downstream	Right
108	7017	Upstream	Left
109	7083	Downstream	Left
110	7030	Upstream	Left
111	6835	Downstream	Right
112	6758	Upstream	Right
113	6814	Downstream	Right
114	6853	Upstream	Left
115	7068	Downstream	Right
116	7032	Upstream	Left
117	6983	Downstream	Left
118	7177	Upstream	Left
119	7052	Downstream	Left
120	7055	Upstream	Left
121	7112	Downstream	Right
122	6780	Upstream	Left
123	7002	Downstream	Right
124	7038	Upstream	Right
125	7004	Downstream	Right
126	7034	Upstream	Right
127	7151	Downstream	Right
128	6978	Upstream	Left
129	6895	Downstream	Right
130	6801	Upstream	Left
131	7173	Downstream	Left
132	6945	Upstream	Right
133	6826	Downstream	Right
134	7093	Upstream	Right
135	6763	Downstream	Left
136	6880	Upstream	Left
137	6875	Downstream	Right
138	6884	Upstream	Right
139	7023	Downstream	Right
140	7058	Upstream	Right
141	7148	Downstream	Right
142	6779	Upstream	Right
143	6854	Downstream	Right
144	7120	Upstream	Right
145	7092	Downstream	Left
146	7136	Upstream	Left
147	7132	Downstream	Right
148	7073	Upstream	Left
149	6862	Downstream	Left
150	6910	Upstream	Left
151	6855	Downstream	Left

152	6754	Downstream	Right
153	6874	Upstream	Right
154	7050	Downstream	Left
155	6947	Upstream	Right
156	6804	Downstream	Right
157	6745	Upstream	Right
158	7031	Downstream	Left
159	7013	Upstream	Right
160	7014	Downstream	Left
161	6725	Upstream	Left
162	6741	Downstream	Right
163	6849	Upstream	Right
164	7155	Downstream	Left
165	6900	Upstream	Left
166	7000	Downstream	Left
167	6984	Upstream	Right
168	6882	Downstream	Left
169	6881	Upstream	Left
170	6888	Downstream	Right
171	6907	Upstream	Right
172	7106	Downstream	Right
173	6958	Upstream	Right
174	6772	Downstream	Left
175	6806	Upstream	Left
176	6833	Downstream	Left
177	6998	Upstream	Left
178	7126	Downstream	Right
179	6997	Upstream	Right
180	7054	Downstream	Right
181	7079	Upstream	Left
182	7162	Downstream	Right
183	6982	Upstream	Right
184	7125	Downstream	Left
185	7027	Upstream	Right
186	6864	Downstream	Right
187	6991	Upstream	Right
188	7121	Downstream	Right
189	6959	Upstream	Left
190	6803	Downstream	Right
191	7107	Upstream	Right
192	6781	Downstream	Left
193	6912	Upstream	Right
194	7134	Downstream	Right
195	7087	Upstream	Right
196	7091	Downstream	Right
197	7099	Upstream	Right
198	7053	Downstream	Right
199	6916	Upstream	Right
200	7039	Downstream	Left
201	7081	Upstream	Left
202	7144	Downstream	Right
203	6938	Upstream	Right

152	6724	Upstream	Right
153	7108	Downstream	Right
154	7137	Upstream	Right
155	7044	Downstream	Left
156	7129	Upstream	Left
157	6760	Downstream	Left
158	7041	Upstream	Left
159	6981	Downstream	Left
160	6761	Upstream	Right
161	6796	Downstream	Right
162	7010	Upstream	Left
163	7100	Downstream	Left
164	6921	Upstream	Left
165	7046	Downstream	Right
166	6914	Upstream	Left
167	7150	Downstream	Left
168	7082	Upstream	Right
169	6848	Downstream	Right
170	7145	Upstream	Left
171	6850	Downstream	Right
172	6904	Upstream	Right
173	6743	Downstream	Left
174	6930	Upstream	Right
175	6810	Downstream	Left
176	6993	Upstream	Right
177	6845	Downstream	Left
178	6790	Upstream	Left
179	6791	Downstream	Left
180	6933	Upstream	Right
181	6738	Downstream	Left
182	6939	Upstream	Right
183	6840	Downstream	Right
184	6871	Upstream	Left
185	7197	Downstream	Left
186	6985	Upstream	Right
187	7115	Downstream	Left
188	6970	Upstream	Left
189	6789	Downstream	Left
190	7051	Upstream	Left
191	6903	Downstream	Left
192	6859	Upstream	Right
193	7186	Downstream	Left
194	7098	Upstream	Left
195	6844	Downstream	Right
196	6976	Upstream	Right
197	6892	Downstream	Right
198	7088	Upstream	Left
199	6813	Downstream	Left
200	6891	Upstream	Left
201	6737	Downstream	Left
202	6906	Upstream	Left
203	6755	Downstream	Right

204	7188	Downstream	Left
205	6965	Upstream	Left
206	6778	Downstream	Right
207	6811	Upstream	Right
208	6749	Downstream	Left
209	7094	Upstream	Right
210	6747	Downstream	Right
211	7043	Upstream	Left
212	6873	Downstream	Left
213	6955	Upstream	Right
214	6825	Downstream	Left
215	6964	Upstream	Right
216	7061	Downstream	Left
217	6926	Upstream	Left
218	7152	Downstream	Left
219	6787	Upstream	Left
220	6818	Downstream	Right
221	7076	Upstream	Right
222	7187	Downstream	Left
223	6971	Upstream	Right
224	7182	Downstream	Right
225	7067	Upstream	Left

204	6889	Upstream	Left
205	7040	Downstream	Right
206	6973	Upstream	Left
207	6944	Downstream	Right
208	6733	Upstream	Left
209	7059	Downstream	Left
210	6908	Upstream	Left
211	6870	Downstream	Right
212	6901	Upstream	Right
213	7168	Downstream	Left
214	7085	Upstream	Left
215	6750	Downstream	Left
216	6898	Upstream	Right
217	6838	Downstream	Left
218	6928	Upstream	Left
219	7185	Downstream	Right
220	6919	Upstream	Left
221	6941	Downstream	Right
222	7103	Upstream	Left
223	6852	Downstream	Right
224	7063	Upstream	Right
225	7113	Downstream	Left

For "X-Axis Orientation" column
"Right" stands for right-numbered surface should face to the undulator axis.
"Left" stands for left-numbered surface should face to the undulator axis.
This "Right", "Left" procedure applies for both Right and Left Jaw

For "Main-Field Orientation" column **(see Assembly Procedure Document)**
"Downstream" side corresponts to the direction of lower-numbered slot.
Arrow should point toward the lower numbered slots.
"Upstream" side corresponds to the direction of higher-numbered slot.
Arrow should point toward the higher numbered slots.

Spare magnets

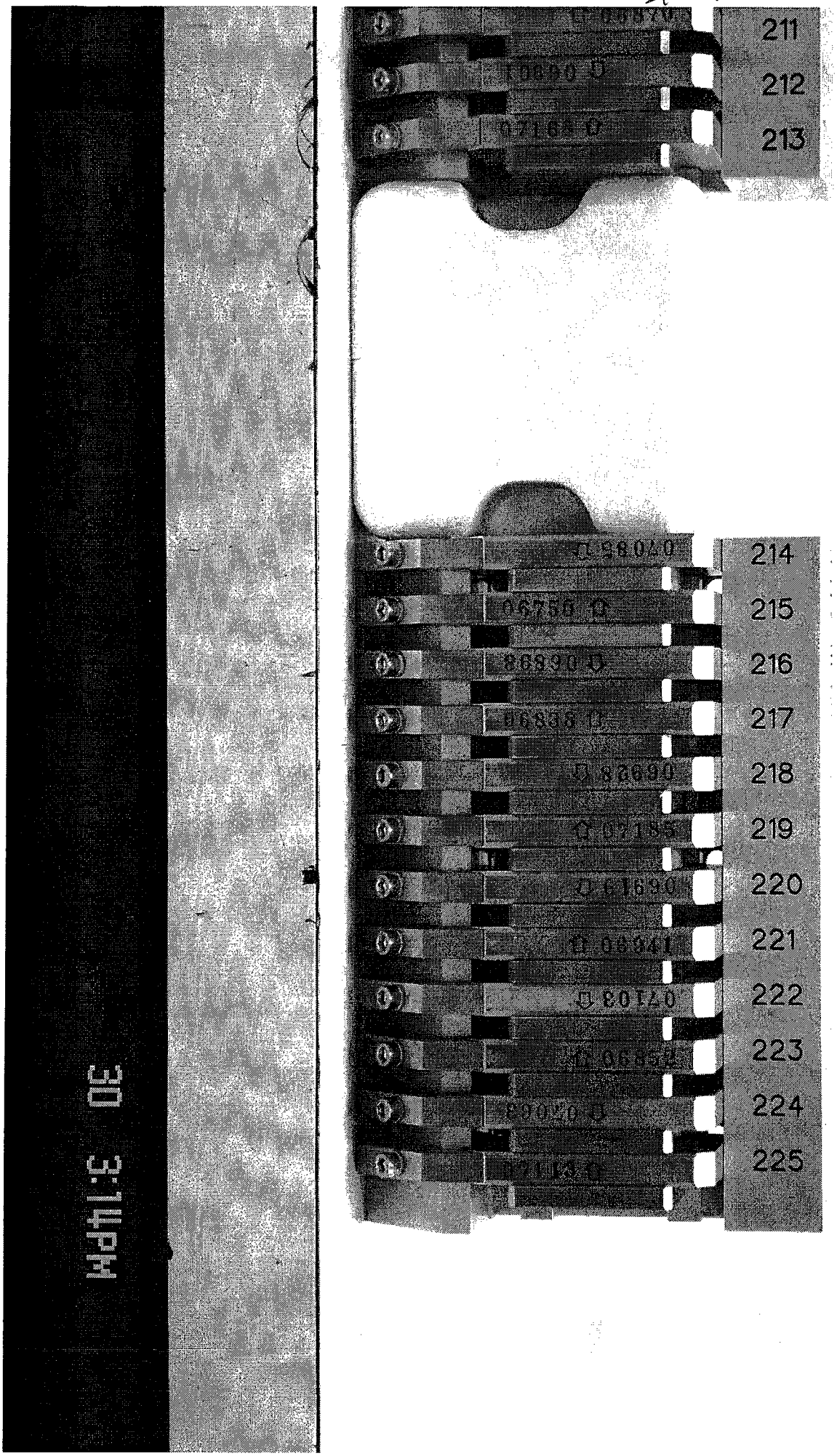
serial No.	Reduced Magnetization
7169	33%
6931	80%
7196	
6988	
7163	
7069	
7089	
6753	
6792	
6956	
6771	
6839	

Sample magnets

serial No.	
6739	
6868	
6967	
7097	
7192	

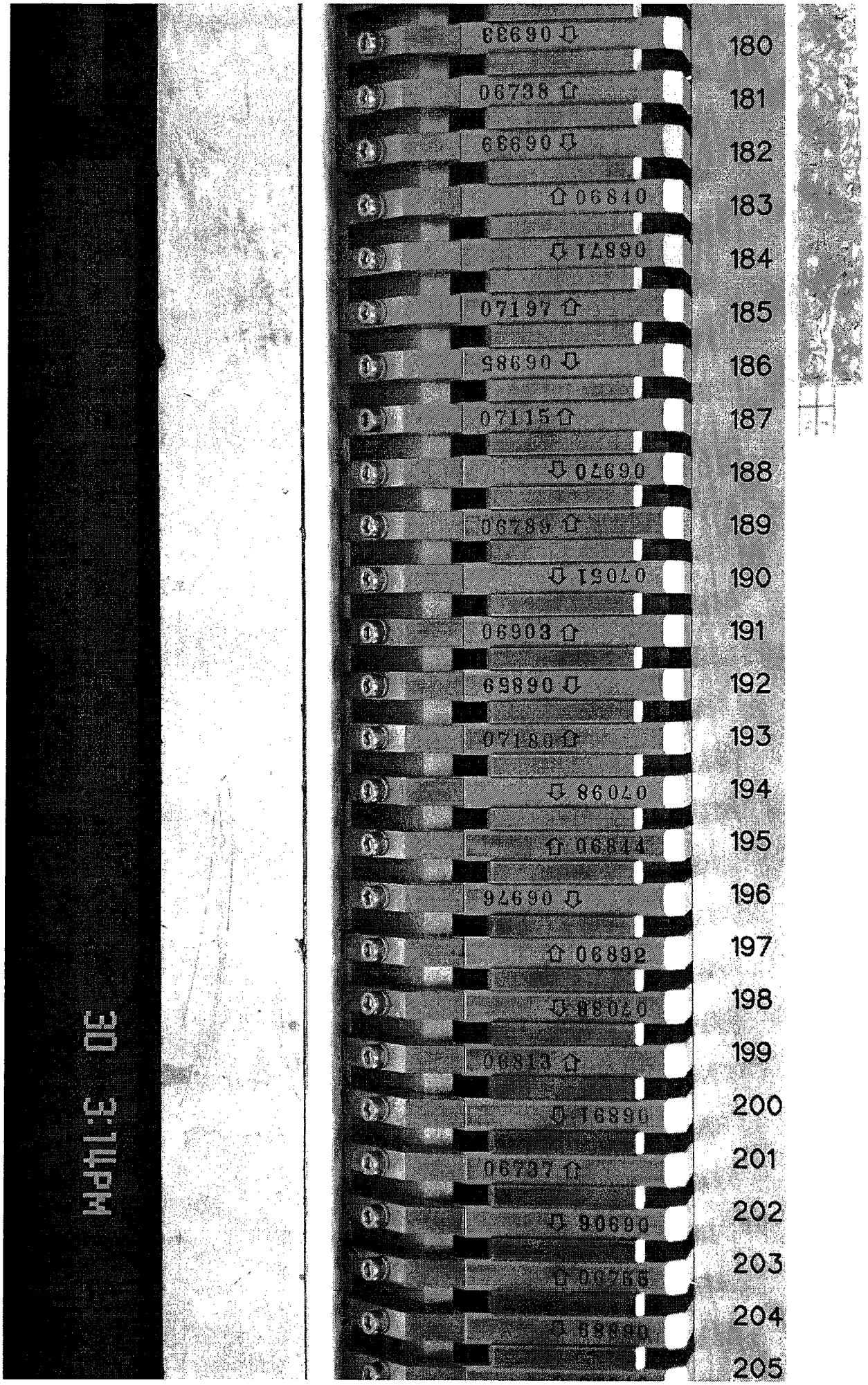
7109
7028
6768
6950
7047
6905
6729
6786
6766
7086
7021
6829
6927

#9 9/1/06


211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
3:14PM
30

205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223

30 3:14PM


30 3:14PM
06938 ⇩ 180
06738 ⇧ 181
06690 ⇩ 182
⇧ 06840 183
⇩ 14890 184
07197 ⇧ 185
98690 ⇩ 186
07115 ⇧ 187
⇩ 04690 188
06789 ⇧ 189
⇩ 07051 190
06903 ⇧ 191
69890 ⇩ 192
07180 ⇧ 193
⇩ 86040 194
⇧ 06844 195
92690 ⇩ 196
⇧ 06892 197
⇩ 88040 198
06813 ⇧ 199
⇩ 16890 200
06797 ⇧ 201
⇩ 90690 202
⇧ 06755 203
⇩ 58890 204
205

30 3:13PM

07044 ⇧	155
⇩ 07129	156
06760 ⇧	157
⇩ 07041	158
06981 ⇧	159
06961 ⇩	160
⇧ 06796	161
⇩ 07010	162
07100 ⇧	163
⇩ 06921	164
⇧ 07046	165
⇩ 06914	166
07150 ⇧	167
⇩ 07082	168
⇧ 06848	169
⇩ 07145	170
⇧ 06850	171
⇩ 06904	172
06743 ⇧	173
⇩ 06930	174
06810 ⇧	175
⇩ 06993	176
06845 ⇧	177
⇩ 06890	178
06791 ⇧	179
	180

06875
137
06884
138
07023
139
07058
140
07148
141
06779
142
06854
143
07120
144
07092
145
07136
146
07132
147
07073
148
06862
149
06690
150
06855
151
06724
152
07103
153
154
155
30 3:13PM

06758
06814
06853
07068
07082
06983
07177
07052
07055
07112
08490
07002
07038
07004
07034
07151
06978
06895
10890
07173
06946
06826
07098
06763
08890
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
30 3:12PM

30 3:11PM

⇧ 07128	87
⇩ 07056	88
06946 ⇧	89
⇩ 07064	90
⇧ 06764	91
⇩ 69690	92
⇧ 06897	93
⇩ 06742	94
⇧ 07138	95
⇩ 90890	96
07183 ⇧	97
⇩ 06815	98
⇧ 06744	99
⇩ 96690	100
06831 ⇧	101
⇩ 06728	102
07005 ⇧	103
⇩ 07138	104
07153 ⇧	105
⇩ 07168	106
⇧ 07026	107
⇩ 07017	108
07083 ⇧	109
⇩ 07030	110
⇧ 06885	111

68
06765 69
69490 70
07140 71
68890 72
07149 73
07110 74
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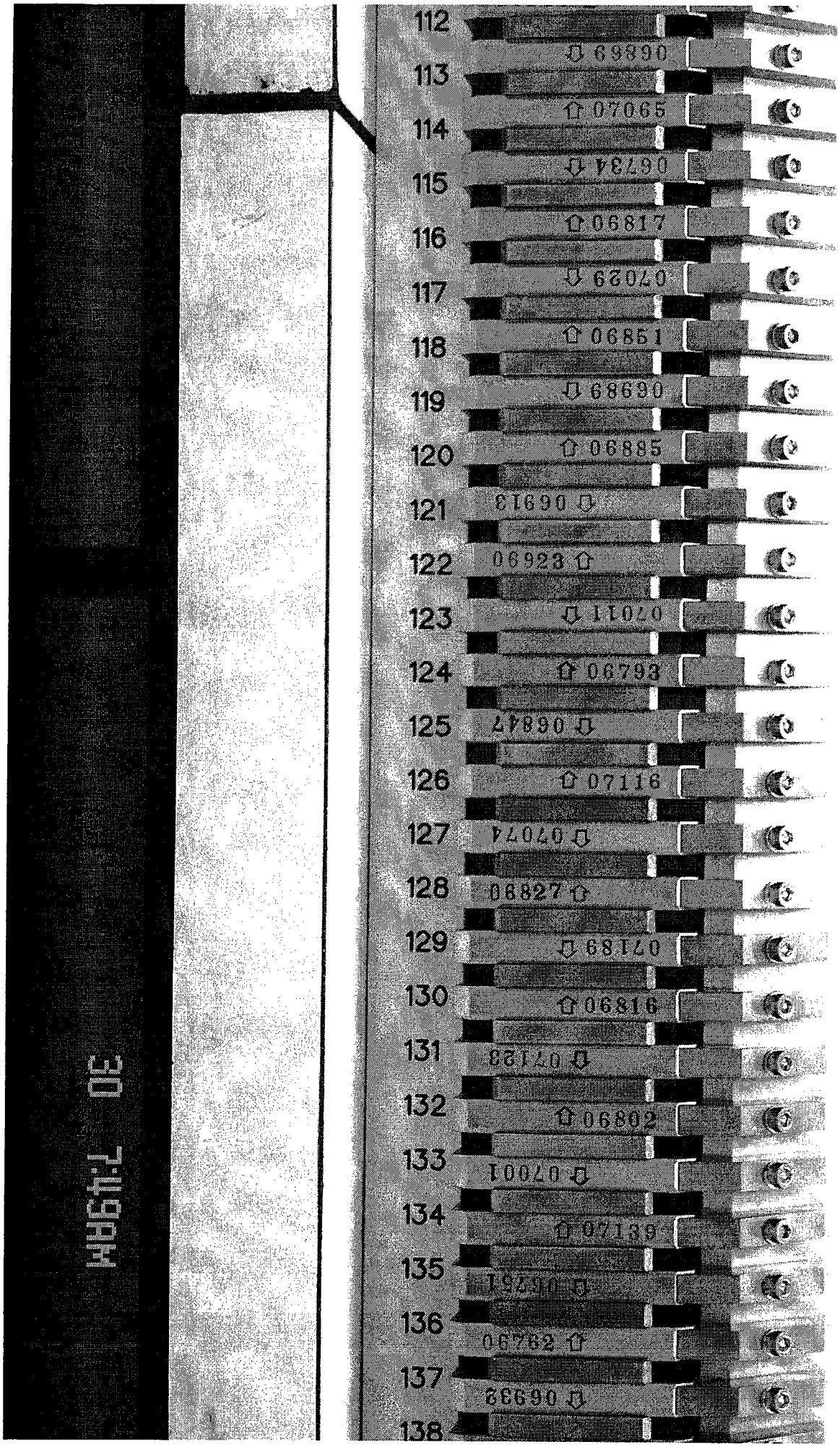
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INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR AS-BUILT DRAWINGS

VENDOR: **Dial Machine, Inc.**

PART NAME: **LCLS Strongback**

DRAWING #: **L143-110700**

SERIAL #: 09

P.O.#: **5A-13624**

DATE: 08-28-06

#	Inspection/Test Requirement	Inspection Test Location	Accepted by or Nonconformance Report No.	Date
1	Visual inspection of part for shipping damage. A) Were critical surfaces protected per SOW L143-00030 Section 4.1.4? B) Is there any visible damage?	H.T.	SIMON	08/28/06
2	Check Strongback is marked with serial number & part no.'s (ANL & SLAC) per SOW Section 4.1.3?	H.T	SIMON	08/28/06
3	Check all accompanying Certifications have correct part serial number	H.T	SIMON	08/28/06
4	Check Material Certification for compliance with ASTM B381-03, Grade F2	H.T.	SIMON	08/28/06
5	Check Forging Annealing Certification for annealing conformance to AMS-H-81200A, Table V, commercial Pure, Bars & Forgings, including Note 8	H.T.	SIMON	08/28/06
6	Check Rough Machining Anneal Certification for annealing conformance to AMS-2801B section 3.2.9	H.T.	SIMON	08/28/06
7	Check the Strongback contractor's reported dimensional measurements against the part drawing	H.T.	SIMON	08/28/06
8	Verify the Strongback critical dimensions as listed in the SOW section 4.5.2 are in compliance with the print	H.T.	SIMON	08/28/06

INSPECTOR: SIMON.

QA Supervisor: Murtaza

TEST EQUIPMENT USED: VISUAL

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR AS-BUILT DRAWINGS

VENDOR:

PART NAME: LCLS Strongback

DRAWING #: L143-110700

SERIAL #: 09

P.O. #:

DATE: 08/28/06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Overall length	3400.00	+0 / -.2	3399.8	Accept/Reject
Gap height	167.00	+0.05 / -.0	167.03	Accept/Reject
Gap flatness (top and bottom)	<= .05	N/A	<= .03	Accept/Reject
Gap depth	130.00	+/- .08	130.01	Accept/Reject
Flatness of front face	<= .05	N/A	<= .03	Accept/Reject
Perpendicularity of front face to A	<= .1	N/A	<= .03	Accept/Reject
End face perpendicularity to A and B	<= .05	N/A	<= .03 <= .03	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Mulaz

TEST EQUIPMENT USED: DROP INDICATOR
SQUAR PRECISION
DIAL CALIPER

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR AS-BUILT DRAWINGS

VENDOR: Dial Machine, Inc.

PART NAME: LCLS Strongback

DRAWING #: L143-110700

SERIAL #: 09

P.O.#: 5A-13624

DATE: 08-28-06

FEATURE: Gap Flatness

#	Distance (mm)	Measured A	Measured B	Comments
1	50	.0005	.0002	OK
2	350	.0004	.0001	OK
3	650	.0002	.0001	OK
4	950	.0004	.0001	OK
5	1250	.0003	.0002	OK
6	1550	.0003	.0000	OK
7	1850	.0002	.0000	OK
8	2150	.0002	.0002	OK
9	2450	.0001	.0003	OK
10	2750	.0003	.0001	OK
11	3050	.0003	.0003	OK
12	3350	.0003	.0005	OK

INSPECTOR: Simon

QA Supervisor: [illegible]

TEST EQUIPMENT USED: CUBIC PRECISION MODEL: 711010
Jig TRANSIT S/N: 231067

COMMENTS:

#1 - #11

CORROSION MATERIALS TEST REPORT

2262 Groom Rd.
Baker, LA 70714
(225) 775 - 3675 (Main Office)
(225) 778 - 6436 (Quality Control)
(225) 778 - 6489 (Fax)

Date: 11/9/2005

Customer: DIAL MACHINE
PO No: 102437
Alloy: Ti GR2
Heat No: 063-1
CMI No: C71263
Quantity:
Item Description: 12" DIA RD BAR X R/L

Specifications DIN 50049 3.1B ASTM B348, ASTM B381
EN 10204 3.1B

Chemical Components

C	CO	CR	CU	FE	MN	MO	NI	P	S
0.01	—	—	—	0.05	—	—	—	—	—
SI	TI	V	W	CB+TA	SN	AL	ZN	PB	N
—	—	—	—	—	—	—	—	—	0.013

Mechanical Properties

Tensile Strength:
Yield Strength:
Hardness:
Elongation in 2":
Reduction in Area:

Remarks: O=0.04, H=0.002, Ti=BAL

HEAT# PBA1063778 ANNEAI FCC 5 SOAK TIME 4HR SOAK TEMP 1250

The information stated in this document is true and accurate based upon information acquired by and maintained on file at Corrosion Materials.

Certified by: Tom Holstein

Title: Quality Control Coordinator

According to records provided by mill sources, all material has been manufactured free from mercury.

Corrosion Materials is an ISO 9001-2000 certified company, registered with RWTUV USA.

Argonne National Lab
Strongback -L143-110700
Inspection and Test Results

Serial Number	# 9		Inspector	Floyd
Date	7/26/06			

CMM Critical Feature Results	Req	Tolr	Actual	
flatness - plane -A-		.050	.021	
side opposite -A- flatness		.050	.018	
surface finish -A-	1.6		0.5	
surface finish side opposite -A-	1.6		0.6	
-B- surface flatness		.050	.030	
-B- surface perp to -A-		.100	.033	
Pads				
RH Mounting Pad parallel to -A-		.050	.010	
LH Mounting Pad parallel to -A-		.050	.010	
Overall Length	3400.00	+.000/-.200	-.017	
LH end to 1700mm holes right	1700.00	+.000/-.100	-.009	
LH end to 1700mm holes left	1700.00	+.000/-.100	-.008	
side opposite -A- 167.00 dim	167.00	+.050/-.000	167.004	plane to plane
Individual Gaps	167.00		167.005	direct gaps
side -A- to Centerline 83.5	83.50	+/- .080	-.002	

Other Dimensions		Date	Reviewer	
		7/25	SKL	no deviations

Material and Certifications		Date	Reviewer	
Material Certs		7/25	SKL	
Heat Treat Certs		7/25	SKL	
Visual inspection of Material		7/25	SKL	

Approvals	
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Temps	
22.2	Start
22.6	Finish

#1 -- #11

CORROSION MATERIALS TEST REPORT

2262 Groom Rd.
Baker, LA 70714
(225) 775 - 3675 (Main Office)
(225) 778 - 6436 (Quality Control)
(225) 778 - 6480 (Fax)

Date: 11/9/2005

Customer: DIAL MACHINE
PO No: 102437
Alloy: Ti GR2
Heat No: 063-1
CMI No: C7 263
Item Description: 12" DIA RD BAR X R/L
Quantity:

Specifications DIN 50049 3.1B ASTM B348, ASTM B381
EN 10204 3.1B

Chemical Components

C	CO	CR	CU	FE	MN	MO	NI	P	S
0.01	—	—	—	0.05	—	—	—	—	—
SI	TI	V	W	CB+TA	SN	AL	ZN	PB	N
—	—	—	—	—	—	—	—	—	0.013

Mechanical Properties

Tensile Strength:
Yield Strength:
Hardness:
Elongation in 2":
Reduction in Area:

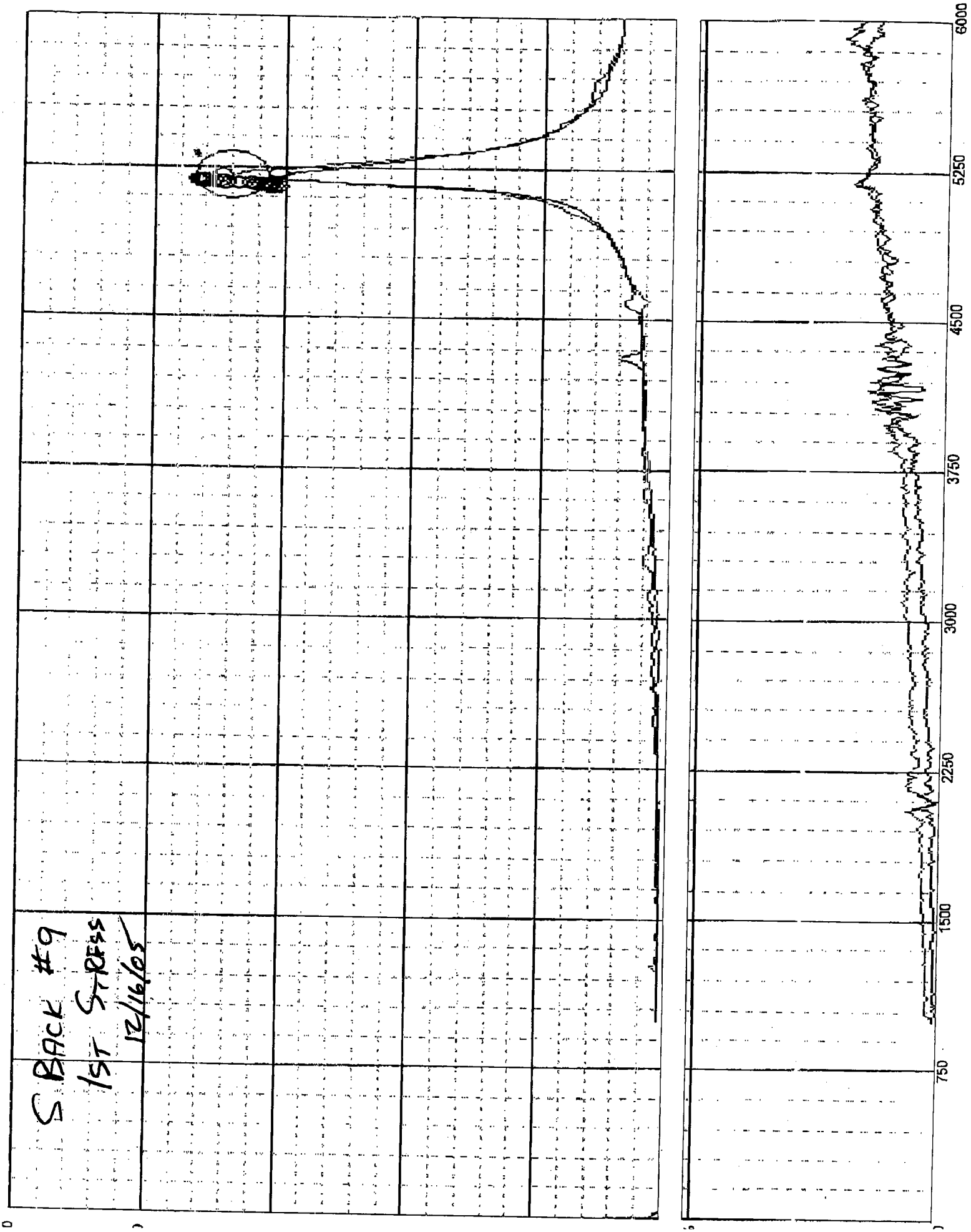
Remarks: O=0.04, H=0.002, Ti=BAL

HEAT# PBA1063778 ANNEAL FCC 5 SOAK TIME 4HR SOAK TEMP 1250

The information stated in this document is true and accurate based upon information acquired by and maintained on file at Corrosion Materials.

Certified by: Tom Holstein
Title: Quality Control Coordinator

According to records provided by mill sources, all material has been manufactured free from mercury.
Corrosion Materials is an ISO 9001-2000 certified company, registered with RWTUV USA.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1ST SQUEEZE
12/16/05
750
1500
2250
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DIAL MACHINE, INC.

2902 Eastrock Drive – Eastrock Industrial Park – P.O. Box 5246
Rockford, Illinois 61125
Phone 815/397-6660 – Fax 815/397-0562

July 26, 2006

Strongback #9

2nd Stress Relieve performed. Data lost in transition to computer storage.

SUPPLIER DISPOSITION REQUEST (SDR)

(Form ANL-311 includes instructions and continuation sheet.)

Page ___ of ___

(CHECK ONE)

☑ 1A. **Deviation Request**

☐ 1B. **Nonconformance Action Request**

2. **SDR No.** 9-7-28

3. **SDR Date** 06/16/2006

4. Supplier Name, Address, Telephone, Fax

Dial Machine, Inc
2902 Eastrock Dr.
Rockford, IL 61125

5. Purchase Order No. 51-0488

6. Related Documents

6.1 _____ **Date** _____

7. Qty.	8. Describe Nonconforming Condition	9. Identify Requirement	10. Cause & Corrective Action
1	Vibratory Stress operation performed 3/14/2006. Documentation file lost during transfer between computers and is not available. Strongback S/N 09 L143-110700	VSR operation performed after rough machining	Operator error - closing file prior to storing data. Instruct operator to photograph in-process screen as backup recording of results

SUPPLIER'S COMMENTS
(IF YES, EXPLAIN):

11. Affects Form, Fit or Function

☐ Yes ☑ No

12. Affects Price

☐ Yes ☑ No

13. Affects Delivery

☐ Yes ☑ No

14. Recommended Disposition and Comments:

Dial to certify VSR was properly done on S/N 09.

15. SUPPLIER REPRESENTATIVE – TITLE – DATE

08/03/06

16. ANL REPRESENTATIVE – DATE

17. ANL Disposition and Remarks: This unit only, VSR chart for 2nd stress relief waived. Dial to certify VSR was properly done.

18. Approved

Emil Trachtenberg 08/03/06 — TECHNICAL REPRESENTATIVE – DATE

8/3/06 — QUALITY ASSURANCE REPRESENTATIVE – DATE

8/4/06 — PROCUREMENT REPRESENTATIVE – DATE

ANL-311 (4-94)

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06949

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.03	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Muelaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06935

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.02	Accept/Reject
Magnet Width	66.00	+/- .25	66.03	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.97	Accept/Reject

INSPECTOR: Smod

QA Supervisor: Mullaz

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06968

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.03	Accept/Reject
Magnet Width	66.00	+/- .25	66.05	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.97	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murlaga

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07009

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.99	Accept/Reject
Magnet Width	66.00	+/- .25	66.04	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simow

QA Supervisor: Mulaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07035

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.03	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simow

QA Supervisor: Murlaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07037

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.99	Accept/Reject
Magnet Width	66.00	+/- .25	66.04	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simow

QA Supervisor: Murlaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07066

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.03	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.98	Accept/Reject

INSPECTOR: Simow

QA Supervisor: Murlaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07033

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.99	Accept/Reject
Magnet Width	66.00	+/- .25	66.03	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.95	Accept/Reject

INSPECTOR: Sinod

QA Supervisor: Murlaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06800

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.05	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simow

QA Supervisor: Mullaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07080

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.04	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murlaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06809

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	(Accept)/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	(Accept)/Reject
Magnet Width	66.00	+/- .25	66.05	(Accept)/Reject
Magnet thickness	9.00	+0 / -.10	8.96	(Accept)/Reject

INSPECTOR: Simow

QA Supervisor: Mulaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06837

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.05	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.97	Accept/Reject

INSPECTOR: Simow

QA Supervisor: Murlaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06913

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	(Accept)/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	(Accept)/Reject
Magnet Width	66.00	+/- .25	66.03	(Accept)/Reject
Magnet thickness	9.00	+0 / -.10	8.95	(Accept)/Reject

INSPECTOR: Simow

QA Supervisor: Mulaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07123

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.03	Accept/Reject
Magnet Width	66.00	+/- .25	66.05	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.98	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murtaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06979

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	(Accept)/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.01	(Accept)/Reject
Magnet Width	66.00	+/- .25	66.02	(Accept)/Reject
Magnet thickness	9.00	+0 / -.10	8.95	(Accept)/Reject

INSPECTOR: Simon

QA Supervisor: Murlaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06918

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.01	Accept/Reject
Magnet Width	66.00	+/- .25	66.02	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.95	Accept/Reject

INSPECTOR: Simow

QA Supervisor: Mullage

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06725

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.99	Accept/Reject
Magnet Width	66.00	+/- .25	66.03	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.98	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Muelaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06907

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.99	Accept/Reject
Magnet Width	66.00	+/- .25	66.02	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.95	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murlaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07079

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	(Accept)/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.99	(Accept)/Reject
Magnet Width	66.00	+/- .25	66.05	(Accept)/Reject
Magnet thickness	9.00	+0 / -.10	8.97	(Accept)/Reject

INSPECTOR: Simon

QA Supervisor: Murtaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07107

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	(Accept)/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.01	(Accept)/Reject
Magnet Width	66.00	+/- .25	66.02	(Accept)/Reject
Magnet thickness	9.00	+0 / -.10	8.96	(Accept)/Reject

INSPECTOR: Simon

QA Supervisor: Murlage

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07081

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.01	Accept/Reject
Magnet Width	66.00	+/- .25	66.02	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Muelaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07043

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.05	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Muelaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07076

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.01	Accept/Reject
Magnet Width	66.00	+/- .25	66.02	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.98	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murlaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07175

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.03	Accept/Reject
Magnet Width	66.00	+/- .25	66.02	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.95	Accept/Reject

INSPECTOR: Smow

QA Supervisor: Murlaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07184

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.03	Accept/Reject
Magnet Width	66.00	+/- .25	66.01	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Smow

QA Supervisor: Mulaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06746

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.01	Accept/Reject
Magnet Width	66.00	+/- .25	66.01	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murlaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06798

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.03	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.97	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murlaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06776

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.05	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murlaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06834

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.99	Accept/Reject
Magnet Width	66.00	+/- .25	66.02	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.97	Accept/Reject

INSPECTOR: Smow

QA Supervisor: Mullaga

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07049

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	(Accept)/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.02	(Accept)/Reject
Magnet Width	66.00	+/- .25	66.05	(Accept)/Reject
Magnet thickness	9.00	+0 / -.10	8.97	(Accept)/Reject

INSPECTOR: Simow

QA Supervisor: Mulaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07140

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.99	Accept/Reject
Magnet Width	66.00	+/- .25	66.02	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.97	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Muelaga

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06731

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.01	Accept/Reject
Magnet Width	66.00	+/- .25	66.04	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murlaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06764

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.03	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.97	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murlage

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06831

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.99	Accept/Reject
Magnet Width	66.00	+/- .25	66.04	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.97	Accept/Reject

INSPECTOR: Simod

QA Supervisor: Mulaga

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06835

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.06	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murlaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07112

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.98	Accept/Reject
Magnet Width	66.00	+/- .25	66.02	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.97	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Mulaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07173

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.04	Accept/Reject
Magnet Width	66.00	+/- .25	66.02	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.97	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Mullaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 07148

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.04	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.97	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murlage

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06855

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.07	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Mulaga

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06796

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.99	Accept/Reject
Magnet Width	66.00	+/- .25	66.06	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Muelaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06850

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.05	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Mulaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06738

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.04	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Mullage

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06903

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.98	Accept/Reject
Magnet Width	66.00	+/- .25	66.03	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Smow

QA Supervisor: Mualaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06737

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	56.99	Accept/Reject
Magnet Width	66.00	+/- .25	66.05	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simow

QA Supervisor: Mullaze

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06870

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.03	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.95	Accept/Reject

INSPECTOR: Simon

QA Supervisor: Murtaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: **Shin-Etsu**

PART NAME: **LCLS Magnet**

DRAWING #: **L143-110106-04**

SERIAL #: 06941

P.O. #: **5A13624**

DATE: 08-08-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE	
Magnet height	57.00	+/- .05	57.00	Accept/Reject
Magnet Width	66.00	+/- .25	66.01	Accept/Reject
Magnet thickness	9.00	+0 / -.10	8.96	Accept/Reject

INSPECTOR: Simow

QA Supervisor: Mwlaza

TEST EQUIPMENT USED: **Drop Indicators**

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: Hi-Tech Manufacturing, Inc.

PART NAME: Upper Middle Magnet Structure Base

DRAWING #: L143-111001-01

SERIAL #: L143-111000-1-09

P.O. #: 5A13624

DATE: 08-19-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE(S)	
Bottom surface to pole base surface (all surfaces)	30	+0 / -.03	Max / Min 29.985/29.970	Accept/Reject
Bottom surface flatness	</= .04	N/A	.035	Accept/Reject
Overall length	1005.0	+0 / -.1	1004.95	Accept/Reject
Overall width	128	+0 / -.1	127.94	Accept/Reject

INSPECTOR: Murlaze

QA Supervisor: Murlaze

TEST EQUIPMENT USED: CMM & Micrometer.

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: Hi-Tech Manufacturing, Inc. PART NAME: Upper Middle Magnet Structure Base

DRAWING #: L143-111001-01 SERIAL #: L143-111000-2-09

P.O. #: 5A13624 DATE: 08-19-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE(S)	
Bottom surface to pole base surface (all surfaces)	30	+0 / -.03	Max / Min 29.985/29.975	Accept/Reject
Bottom surface flatness	<= .04	N/A	.040	Accept/Reject
Overall length	1005.0	+0 / -.1	1004.90	Accept/Reject
Overall width	128	+0 / -.1	127.94	Accept/Reject

INSPECTOR: Mulaza QA Supervisor: Mulaza

TEST EQUIPMENT USED: CMM & Micrometer.

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: Hi-Tech Manufacturing, Inc. PART NAME: Upper Middle Magnet Structure Base

DRAWING #: L143-111001-01 SERIAL #: L143-111000-3-09

P.O. #: 5A13624 DATE: 08-19-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE(S)	
Bottom surface to pole base surface (all surfaces)	30	+0 / -.03	Max / Min 29.995/29.970	Accept/Reject
Bottom surface flatness	<= .04	N/A	.040	Accept/Reject
Overall length	1005.0	+0 / -.1	1004.94	Accept/Reject
Overall width	128	+0 / -.1	127.945	Accept/Reject

INSPECTOR: Mullage QA Supervisor: Mullage

TEST EQUIPMENT USED: CMM & Micrometer.

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: Hi-Tech Manufacturing, Inc. PART NAME: Lower Middle Magnet Structure Base

DRAWING #: L143-111101-01 SERIAL #: L143-111100-1-09

P.O. #:5A13624 DATE: 08-19-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE(S)	
Bottom surface to pole base surface (all surfaces)	30	+0 / -.03	Max / Min 29.985/29.970	Accept/Reject
Bottom surface flatness	</= .04	N/A	.04	Accept/Reject
Overall length	1005	+0 / -.1	1004.93	Accept/Reject
Overall width	128	+0 / -.1	127.94	Accept/Reject

INSPECTOR: Mulataze QA Supervisor: Mulataze

TEST EQUIPMENT USED: CMM & Micrometer.

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: Hi-Tech Manufacturing, Inc. PART NAME: Lower Middle Magnet Structure Base

DRAWING #: L143-111101-01 SERIAL #: L143-111100-2-09

P.O. #:5A13624 DATE: 08-19-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE(S)	
Bottom surface to pole base surface (all surfaces)	30	+0 / -.03	Max / Min 29.990/29.975	Accept/Reject
Bottom surface flatness	</= .04	N/A	.04	Accept/Reject
Overall length	1005	+0 / -.1	1004.91	Accept/Reject
Overall width	128	+0 / -.1	127.94	Accept/Reject

INSPECTOR: Mulaze QA Supervisor: Mulaze

TEST EQUIPMENT USED: CMM & Micrometer.

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: Hi-Tech Manufacturing, Inc. PART NAME: Lower Middle Magnet Structure Base

DRAWING #: L143-111101-01 SERIAL #: L143-111100-3-09

P.O. #:5A13624 DATE: 08-19-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE(S)	
Bottom surface to pole base surface (all surfaces)	30	+0 / -.03	Max / Min 29.985/29.975	Accept/Reject
Bottom surface flatness	</= .04	N/A	.04	Accept/Reject
Overall length	1005	+0 / -.1	1004.93	Accept/Reject
Overall width	128	+0 / -.1	127.93	Accept/Reject

INSPECTOR: Mullaze QA Supervisor: Mullaze

TEST EQUIPMENT USED: CMM & Micrometer.

COMMENTS:

LCLS
Linac Coherent Light Source Stanford Synchrotron Radiation Laboratory
Stanford Linear Accelerator Center

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: Hi-Tech Manufacturing, Inc.

PART NAME: Upper Right Magnet Structure Base

DRAWING #: L143-111201

SERIAL #: Ll43-111200-09

P.O. #: 5A13624

DATE: 08-19-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE(S)	
Bottom surface to pole base surface (all surfaces)	30	+0 / -.03	Max / Min 29.995/29.980	Accept/Reject
Bottom surface flatness	</= .04	N/A	0.02	Accept/Reject
Overall length	189	+0 / -.1	188.98	Accept/Reject
Overall width	128	+0 / -.1	127.98	Accept/Reject

INSPECTOR: Muelaze

QA Supervisor: Muelaze

TEST EQUIPMENT USED: CMM & Micrometer.

COMMENTS:

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: Hi-Tech Manufacturing, Inc. PART NAME: Lower Left Magnet Structure Base

DRAWING #: L143-110901 SERIAL #: L143-110900-09

P.O. #: 5A13624 DATE: 08-19-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE(S)	
Bottom surface to pole base surface (all surfaces)	30	+0 / -.03	Max / Min 29.995/29.975	Accept/Reject
Bottom surface flatness	<= .04	N/A	.025	Accept/Reject
Overall length	195	+0 / -.1	194.980	Accept/Reject
Overall width	128	+0 / -.1	127.975	Accept/Reject

INSPECTOR: Muelaze QA Supervisor: Muelaze

TEST EQUIPMENT USED: CMM & Micrometer .

COMMENTS: .

LCLS
Linac Coherent Light Source Stanford Synchrotron Radiation Laboratory
Stanford Linear Accelerator Center

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: Hi-Tech Manufacturing, Inc.

PART NAME: Lower Right Magnet Structure Base

DRAWING #: L143-111301

SERIAL #: L143-111300-09

P.O. #: 5A13624

DATE: 08-19-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE(S)	
Bottom surface to pole base surface (all surfaces)	30	+0 / -.03	Max / Min 29.985/29.980	Accept/Reject
Bottom surface flatness	<= .04	N/A	0.025	Accept/Reject
Overall length	189	+0 / -.1	188.995	Accept/Reject
Overall width	128	+0 / -.1	127.985	Accept/Reject

INSPECTOR: Murlage

QA Supervisor: Murlage

TEST EQUIPMENT USED: CMM & Micrometer.

COMMENTS:

LCLS
Linac Coherent Light Source Stanford Synchrotron Radiation Laboratory
Stanford Linear Accelerator Center

INSPECTION / ACCEPTANCE REPORT OF COMPONENTS FOR LCLS MAGNET ASSEMBLIES

VENDOR: Hi-Tech Manufacturing, Inc.

PART NAME: Upper Left Magnet Structure Base

DRAWING #: L143-110801

SERIAL #: L143-110800-09

P.O. #: 5A13624

DATE: 08-19-06

ACCEPTANCE CRITERIA

1. Visually inspect for shipping damage.	Accept/Reject

CRITICAL DIMENSIONS (mm)

FEATURE	TARGET	TOLERANCE	MEASURED VALUE(S)	
Bottom surface to pole base surface (all surfaces)	30	+0 / -.03	Max / Min 29.98/29.975	Accept/Reject
Bottom surface flatness	</= .04	N/A	0.012	Accept/Reject
Overall length	195	+0 / -.1	194.97	Accept/Reject
Overall width	128	+0 / -.1	127.97	Accept/Reject

INSPECTOR: Muetage

QA Supervisor: Muetage

TEST EQUIPMENT USED: CMM & Micrometer.

COMMENTS: