

Positioning accuracy inspection sheet

Product Model:	MR200RA0
Product S/N:	020003
Manufactured in:	2002.6
Inspection date	11/29/04

Max angle error:	0.0070 °
Max angle error:	25 "
Max=	0.0040 °
Min=	-0.0030 °
Backlash=	0.0050 °

Gear ratio= 1/90		
Input angle	Actual angle	Angle error
0	0.0000	0.0000
4	4.0010	-0.0010
8	8.0015	-0.0015
12	12.0020	-0.0020
16	16.0025	-0.0025
20	20.0025	-0.0025
24	24.0030	-0.0030
28	28.0030	-0.0030
32	32.0030	-0.0030
36	36.0030	-0.0030
40	40.0030	-0.0030
44	44.0030	-0.0030
48	48.0030	-0.0030
52	52.0030	-0.0030
56	56.0030	-0.0030
60	60.0030	-0.0030
64	64.0030	-0.0030
68	68.0025	-0.0025
72	72.0030	-0.0030
76	76.0030	-0.0030
80	80.0030	-0.0030
84	84.0030	-0.0030
88	88.0025	-0.0025
92	92.0025	-0.0025
96	96.0025	-0.0025
100	100.0020	-0.0020
104	104.0025	-0.0025
108	108.0020	-0.0020
112	112.0020	-0.0020
116	116.0020	-0.0020
120	120.0025	-0.0025
124	124.0015	-0.0015
128	128.0015	-0.0015
132	132.0015	-0.0015
136	136.0015	-0.0015
140	140.0005	-0.0005
144	144.0005	-0.0005
148	148.0005	-0.0005
152	152.0000	0.0000
156	156.0000	0.0000
160	159.9995	0.0005
164	164.0000	0.0000
168	168.0000	0.0000
172	171.9990	0.0010
176	175.9990	0.0010

Gear ratio= 1/90		
Input angle	Actual angle	Angle error
180	179.9985	0.0015
184	183.9980	0.0020
188	187.9980	0.0020
192	191.9980	0.0020
196	195.9975	0.0025
200	199.9975	0.0025
204	203.9975	0.0025
208	207.9970	0.0030
212	211.9975	0.0025
216	215.9975	0.0025
220	219.9975	0.0025
224	223.9970	0.0030
228	227.9975	0.0025
232	231.9970	0.0030
236	235.9970	0.0030
240	239.9975	0.0025
244	243.9975	0.0025
248	247.9980	0.0020
252	251.9975	0.0025
256	255.9980	0.0020
260	259.9985	0.0015
264	263.9985	0.0015
268	267.9985	0.0015
272	271.9985	0.0015
276	275.9985	0.0015
280	279.9985	0.0015
284	283.9990	0.0010
288	287.9990	0.0010
292	291.9990	0.0010
296	295.9990	0.0010
300	299.9990	0.0010
304	303.9990	0.0010
308	307.9995	0.0005
312	311.9995	0.0005
316	315.9995	0.0005
320	320.0000	0.0000
324	324.0005	-0.0005
328	328.0000	0.0000
332	332.0000	0.0000
336	336.0005	-0.0005
340	340.0005	-0.0005
344	344.0000	0.0000
348	348.0010	-0.0010
352	352.0005	-0.0005
356	356.0010	-0.0010

Gear ratio= 1/90		
Input angle	Actual angle	Angle error
0	0.0000	0.0000
356	355.9990	0.0010
352	351.9985	0.0015
348	347.9985	0.0015
344	343.9985	0.0015
340	339.9985	0.0015
336	335.9985	0.0015
332	331.9985	0.0015
328	327.9990	0.0010
324	323.9985	0.0015
320	319.9980	0.0020
316	315.9980	0.0020
312	311.9980	0.0020
308	307.9975	0.0025
304	303.9975	0.0025
300	299.9970	0.0030
296	295.9970	0.0030
292	291.9970	0.0030
288	287.9970	0.0030
284	283.9970	0.0030
280	279.9970	0.0030
276	275.9965	0.0035
272	271.9965	0.0035
268	267.9970	0.0030
264	263.9970	0.0030
260	259.9970	0.0030
256	255.9970	0.0030
252	251.9970	0.0030
248	247.9970	0.0030
244	243.9970	0.0030
240	239.9965	0.0035
236	235.9965	0.0035
232	231.9970	0.0030
228	227.9970	0.0030
224	223.9965	0.0035
220	219.9970	0.0030
216	215.9965	0.0035
212	211.9970	0.0030
208	207.9965	0.0035
204	203.9965	0.0035
200	199.9965	0.0035
196	195.9965	0.0035
192	191.9960	0.0040
188	187.9965	0.0035
184	183.9960	0.0040

Gear ratio= 1/90		
Input angle	Actual angle	Angle error
180	179.9960	0.0040
176	175.9965	0.0035
172	171.9965	0.0035
168	167.9960	0.0040
164	163.9965	0.0035
160	159.9965	0.0035
156	155.9965	0.0035
152	151.9965	0.0035
148	147.9970	0.0030
144	143.9970	0.0030
140	139.9975	0.0025
136	135.9975	0.0025
132	131.9975	0.0025
128	127.9980	0.0020
124	123.9980	0.0020
120	119.9985	0.0015
116	115.9980	0.0020
112	111.9980	0.0020
108	107.9975	0.0025
104	103.9980	0.0020
100	99.9975	0.0025
96	95.9985	0.0015
92	91.9980	0.0020
88	87.9980	0.0020
84	83.9980	0.0020
80	79.9985	0.0015
76	75.9980	0.0020
72	71.9985	0.0015
68	67.9980	0.0020
64	63.9980	0.0020
60	59.9980	0.0020
56	55.9980	0.0020
52	51.9980	0.0020
48	47.9980	0.0020
44	43.9980	0.0020
40	39.9985	0.0015
36	35.9980	0.0020
32	31.9985	0.0015
28	27.9985	0.0015
24	23.9985	0.0015
20	19.9985	0.0015
16	15.9980	0.0020
12	11.9980	0.0020
8	7.9980	0.0020
4	3.9980	0.0020