



STAGE CHECKLIST
955-0054 Revision G

Job No. 16511 Customer AFFYMETRIX Type HN

Model No. ST-HN0808-S-PICO Serial No. 13114 (X-Y AXIS) (Single AXIS) (Z-AXIS)

Modifications/Comments: _____

Reference Procedure P/N 976-0022

| OPERATION | INITIALS: | Asmblr | DATE | Lead person | DATE |
|-----------|-----------|-----------|----------------|--|-------------|
| 001 | | <u>CC</u> | <u>1/5</u> | | |
| 002 | | <u>CC</u> | <u>1/5</u> | | |
| 003 | | <u>CC</u> | <u>1/5</u> | | |
| 004 | | | | | |
| 005 | | <u>CC</u> | <u>1/5</u> | | |
| 006 | | | | | |
| 007 | | <u>CC</u> | <u>1/10</u> | | |
| 008 | | | | | |
| 009 | | <u>CC</u> | <u>1/10</u> | | |
| 010 | | | | | |
| 011 | | <u>CC</u> | <u>1/9</u> | | |
| 012 | | | | | |
| 013 | | <u>Jm</u> | <u>1-15-00</u> | | |
| 014 | | | | | |
| 015 | | <u>CC</u> | <u>1/10</u> | | |
| 016 | | | | | |
| 017 | | | | from _____ am/pm to _____ am/pm @sys. lev. Y / N | |
| 018 | | <u>CC</u> | | | |
| 019 | | | | <u>Ma</u> | <u>1-21</u> |

Documentation Attached: _____

Laser Certification Yes Scale Mfr. Spec Sheet yes Z-AXIS Pitch — arc/sec Yaw — arc/sec

X-AXIS Pitch 3 arc/sec Yaw 7 arc/sec Y-AXIS Pitch 3 arc/sec Yaw 10 arc/sec

Squareness 00005 in Scale voltage X 2.0 v Y 2.0 v Z — v

| Scale | X Glass | S/N | ID# | Lead screw torque | X-AXIS | Y-AXIS |
|-------|-----------|----------------|------------------|-------------------|------------------|----------------|
| | X Glass | <u>8641097</u> | <u>29709404</u> | Motor end | <u>7.5</u> in/oz | <u>8</u> in/oz |
| | Y Glass | <u>9059648</u> | <u>29709404</u> | Center | <u>7.5</u> in/oz | <u>7</u> in/oz |
| | Z Glass | <u>—</u> | <u>—</u> | Fixed end | <u>7</u> in/oz | <u>7</u> in/oz |
| | X Encoder | <u>8606255</u> | <u>297095-03</u> | | | |
| | Y Encoder | <u>8635916</u> | <u>297095-03</u> | | | |
| | Z Encoder | <u>—</u> | <u>—</u> | | | |

Q.C. Inspection ACH Date 01-22-01

** Linear Measurement ** Individual data

Positioning error table
 Machine : ST-HN0808-S-P100
 S/N : 13114
 Date: 01-15-01
 By: DUMITRU MICLEA

Filename:13114x.dat
 Material Temp.: 70.00
 Air Temp.: 70.00
 Pressure : 29.90
 Humidity : 50.00

* The measurement has 1 runs data
 * 16 Points each direction
 * MTE = 1.000000
 * 8.000000 Inch Total travel

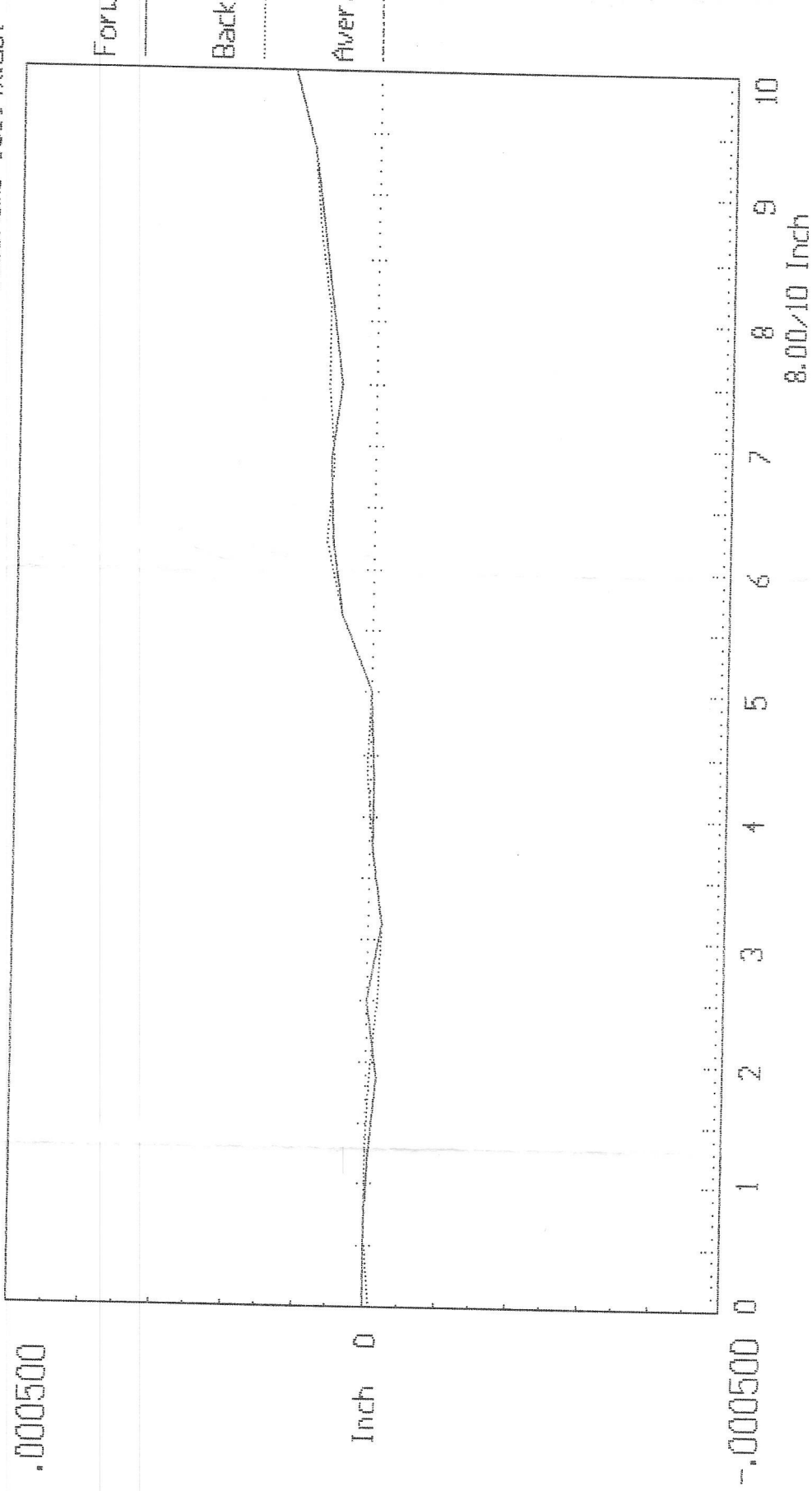
| Run No | Point No | Target Position | LDDM | Lddm corrected | Deviation |
|--------|----------|-----------------|-----------|----------------|-----------|
| 1 | 0 | 0.000000 | -0.000000 | -0.000000 | -0.000000 |
| 1 | 1 | 0.500000 | 0.500002 | 0.500002 | 0.000002 |
| 1 | 2 | 1.000000 | 0.999990 | 0.999990 | -0.000010 |
| 1 | 3 | 1.500000 | 1.499982 | 1.499982 | -0.000018 |
| 1 | 4 | 2.000000 | 1.999994 | 1.999994 | -0.000006 |
| 1 | 5 | 2.500000 | 2.499976 | 2.499976 | -0.000024 |
| 1 | 6 | 3.000000 | 2.999991 | 2.999991 | -0.000009 |
| 1 | 7 | 3.500000 | 3.499992 | 3.499992 | -0.000008 |
| 1 | 8 | 4.000000 | 4.000002 | 4.000002 | 0.000002 |
| 1 | 9 | 4.500000 | 4.500041 | 4.500041 | 0.000041 |
| 1 | 10 | 5.000000 | 5.000057 | 5.000057 | 0.000057 |
| 1 | 11 | 5.500000 | 5.500061 | 5.500061 | 0.000061 |
| 1 | 12 | 6.000000 | 6.000049 | 6.000049 | 0.000049 |
| 1 | 13 | 6.500000 | 6.500062 | 6.500062 | 0.000062 |
| 1 | 14 | 7.000000 | 7.000078 | 7.000078 | 0.000078 |
| 1 | 15 | 7.500000 | 7.500092 | 7.500092 | 0.000092 |
| 1 | 16 | 8.000000 | 8.000120 | 8.000120 | 0.000120 |
| 1 | 16 | 8.000000 | 8.000120 | 8.000120 | 0.000120 |
| 1 | 15 | 7.500000 | 7.500088 | 7.500088 | 0.000088 |
| 1 | 14 | 7.000000 | 7.000083 | 7.000083 | 0.000083 |
| 1 | 13 | 6.500000 | 6.500068 | 6.500068 | 0.000068 |
| 1 | 12 | 6.000000 | 6.000066 | 6.000066 | 0.000066 |
| 1 | 11 | 5.500000 | 5.500059 | 5.500059 | 0.000059 |
| 1 | 10 | 5.000000 | 5.000068 | 5.000068 | 0.000068 |
| 1 | 9 | 4.500000 | 4.500043 | 4.500043 | 0.000043 |
| 1 | 8 | 4.000000 | 4.000001 | 4.000001 | 0.000001 |
| 1 | 7 | 3.500000 | 3.500005 | 3.500005 | 0.000005 |
| 1 | 6 | 3.000000 | 2.999991 | 2.999991 | -0.000009 |
| 1 | 5 | 2.500000 | 2.499974 | 2.499974 | -0.000026 |
| 1 | 4 | 2.000000 | 1.999981 | 1.999981 | -0.000019 |
| 1 | 3 | 1.500000 | 1.499991 | 1.499991 | -0.000009 |
| 1 | 2 | 1.000000 | 1.000001 | 1.000001 | 0.000001 |
| 1 | 1 | 0.500000 | 0.500000 | 0.500000 | 0.000000 |
| 1 | 0 | 0.000000 | -0.000012 | -0.000012 | -0.000012 |

Maximum = 0.000120 Minimum = -0.000026
 Mean = 0.000030

Linear Measurement

Individual Error Plot #1

Filename=13114x.dat



Machine: ST-HM0808-S-P100 Increment: .500000 Inch

Serial No: 13114

Points: 16 Run: 0

Date: 01-15-01

Direction: +/-

Error band: N

By: DUMITRU MICLEA

Axis/Location: X

Non-repeat: 0.000000

Zero offset: N