

# Quindos Measuring Report



3D-Application Center

|                    |                  |                   |                        |
|--------------------|------------------|-------------------|------------------------|
| Description        | WINDOW FLANGE    | Customer          | L. GARCIA              |
| Drawing Number     | PF-700-889-30    | Serial Number     | 003                    |
| Remarks            |                  | Article Number    |                        |
| Supplier           | KLYSTRON OSV     | Delivery Date     |                        |
| Delivery Note      |                  | Delivery Volume   |                        |
| Lot Number         |                  | Lot Size          |                        |
| Test Schedule      |                  | Sample Size       |                        |
| Production Machine |                  | Production Tool   |                        |
| Production Date    |                  | Production Time   |                        |
| Order              | 1382031          | Department        | MET. QUALITY INSPEC    |
| Inspector          | kcaban           | Inspection Date   | 26-MAR-2010, 09:16:51  |
| Measuring Device   | PMM 12 10 6 #496 | Measuring Program | Quindos7 - V 7.1.10077 |
| User Name          | kcaban           | WKP Name          | NO\$NAME               |

| Text                | Eval.  | Actual     | Nominal | Up.To1. | Low.To1. | Act-Nom  | Graphic  |
|---------------------|--------|------------|---------|---------|----------|----------|----------|
| <b>DATUM_A</b>      |        | <b>PLA</b> |         |         |          |          |          |
|                     | FORM   | 0.00028    | 0.00000 | 0.00100 | 0.00000  | 0.00028  |          |
| <b>DATUM_B</b>      |        | <b>CYL</b> |         |         |          |          |          |
|                     | FORM   | 0.00046    |         |         |          |          |          |
|                     | DM     | 1.31015    | 1.31200 | 0.00000 | -0.00200 | -0.00185 |          |
| <b>RUNOUT_1P312</b> |        | <b>AXI</b> |         |         |          |          |          |
|                     | RADRUN | 0.00046    | 0.00000 | 0.00200 | 0.00000  | 0.00046  |          |
| <b>DIA_1P627</b>    |        | <b>CIR</b> |         |         |          |          |          |
|                     | FORM   | 0.00071    |         |         |          |          |          |
|                     | DM     | 1.62688    | 1.62700 | 0.00100 | 0.00000  | -0.00012 | -0.00012 |
| <b>RUNOUT_1P627</b> |        | <b>AXI</b> |         |         |          |          |          |
|                     | RADRUN | 0.00107    | 0.00000 | 0.00200 | 0.00000  | 0.00107  |          |
| <b>PLA_P0580</b>    |        | <b>PLA</b> |         |         |          |          |          |
|                     | FORM   | 0.00021    |         |         |          |          |          |
|                     | Z      | -0.05755   | 0.05800 | 0.00050 | -0.00050 | -0.00045 |          |
| <b>PAR_P0580</b>    |        | <b>PLA</b> |         |         |          |          |          |
|                     | PARALL | 0.00026    | 0.00000 | 0.00200 | 0.00000  | 0.00026  |          |
| <b>PLA_P120</b>     |        | <b>PLA</b> |         |         |          |          |          |
|                     | FORM   | 0.00008    |         |         |          |          |          |
|                     | Z      | -0.12066   | 0.12000 | 0.00500 | -0.00500 | 0.00066  |          |
| <b>RAD_P045(1)</b>  |        | <b>CIR</b> |         |         |          |          |          |
|                     | FORM   | 0.00005    |         |         |          |          |          |
|                     | RA     | 0.04989    | 0.04500 | 0.00500 | -0.00500 | 0.00489  |          |
| <b>RAD_P045(2)</b>  |        | <b>CIR</b> |         |         |          |          |          |
|                     | FORM   | 0.00005    |         |         |          |          |          |
|                     | RA     | 0.04990    | 0.04500 | 0.00500 | -0.00500 | 0.00490  |          |
| <b>RAD_P045(3)</b>  |        | <b>CIR</b> |         |         |          |          |          |
|                     | FORM   | 0.00005    |         |         |          |          |          |
|                     | RA     | 0.04943    | 0.04500 | 0.00500 | -0.00500 | 0.00443  |          |

| Text                      | Eval. | Actual   | Nominal | Up.To1. | Low.To1. | Act-Nom     | Graphic |
|---------------------------|-------|----------|---------|---------|----------|-------------|---------|
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|---------------------------|-------|------------|----------|---------|----------|-------------|---------|
| Text                      | Eval. | Actual     | Nominal  | Up.To1. | Low.To1. | Act-Nom     | Graphic |
| <b>RAD_P045(4)</b>        |       | <b>CIR</b> |          |         |          |             |         |
| FORM                      |       | 0.00005    |          |         |          |             |         |
| RA                        |       | 0.04998    | 0.04500  | 0.00500 | -0.00500 | 0.00498     |         |
| <b>RAD_P032(1)</b>        |       | <b>CIR</b> |          |         |          |             |         |
| FORM                      |       | 0.00001    |          |         |          |             |         |
| RA                        |       | 0.03192    | 0.03200  | 0.00500 | -0.00500 | -0.00008    |         |
| <b>RAD_P032(2)</b>        |       | <b>CIR</b> |          |         |          |             |         |
| FORM                      |       | 0.00010    |          |         |          |             |         |
| RA                        |       | 0.03160    | 0.03200  | 0.00500 | -0.00500 | -0.00040    |         |
| <b>RAD_P032(3)</b>        |       | <b>CIR</b> |          |         |          |             |         |
| FORM                      |       | 0.00003    |          |         |          |             |         |
| RA                        |       | 0.03190    | 0.03200  | 0.00500 | -0.00500 | -0.00010    |         |
| <b>RAD_P032(4)</b>        |       | <b>CIR</b> |          |         |          |             |         |
| FORM                      |       | 0.00001    |          |         |          |             |         |
| RA                        |       | 0.03194    | 0.03200  | 0.00500 | -0.00500 | -0.00006    |         |
| <b>DIA_2P500</b>          |       | <b>CIR</b> |          |         |          |             |         |
| FORM                      |       | 0.00052    |          |         |          |             |         |
| DM                        |       | 2.49968    | 2.50000  | 0.00000 | -0.00200 | -0.00032    |         |
| <b>RUNOUT_2P500</b>       |       | <b>AXI</b> |          |         |          |             |         |
| RADRUN                    |       | 0.00056    | 0.00000  | 0.00200 | 0.00000  | 0.00056     |         |
| <b>DIST_P902</b>          |       | <b>AXI</b> |          |         |          |             |         |
| DY                        |       | 0.90170    | 0.90200  | 0.00200 | -0.00200 | -0.00030    |         |
| <b>POS_DAT\$C</b>         |       | <b>AXI</b> |          |         |          |             |         |
| POSITN                    |       | 0.00088    | 0.00000  | 0.00200 | 0.00000  | 0.00088     |         |
| <b>DIST_P402</b>          |       | <b>AXI</b> |          |         |          |             |         |
| DX                        |       | 0.40190    | 0.40200  | 0.00200 | -0.00200 | -0.00010    |         |
| <b>POS_DAT\$D</b>         |       | <b>AXI</b> |          |         |          |             |         |
| POSITN                    |       | 0.00076    | 0.00000  | 0.00200 | 0.00000  | 0.00076     |         |
| <b>SQRNS_CD</b>           |       | <b>PLA</b> |          |         |          |             |         |
| SQRNES                    |       | 0.00001    | 0.00000  | 0.00200 | 0.00000  | 0.00001     |         |
| <b>PLA_P600</b>           |       | <b>PLA</b> |          |         |          |             |         |
| FORM                      |       | 0.00012    |          |         |          |             |         |
| Z                         |       | 0.60069    | 0.60000  | 0.00500 | -0.00500 | 0.00069     |         |
| <b>PLA_P500</b>           |       | <b>PLA</b> |          |         |          |             |         |
| FORM                      |       | 0.00010    |          |         |          |             |         |
| Z                         |       | 0.49925    | 0.50000  | 0.00500 | -0.00500 | -0.00075    |         |
| <b>PAR_P500</b>           |       | <b>PLA</b> |          |         |          |             |         |
| PARALL                    |       | 0.00035    | 0.00000  | 0.00200 | 0.00000  | 0.00035     |         |
| <b>DIA_P265(1)</b>        |       | <b>CIR</b> |          |         |          |             |         |
| FORM                      |       | 0.00006    |          |         |          |             |         |
| DM                        |       | 0.26821    | 0.26500  | 0.00500 | -0.00200 | 0.00321     |         |
| X                         |       | 0.00211    | 0.00000  |         |          | 0.00211     |         |
| Y                         |       | 0.99951    | 1.00000  |         |          | -0.00049    |         |

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|---------------------------|-------|--------|----------|---------|----------|-------------|---------|
| Text                      | Eval. | Actual | Nominal  | Up.To1. | Low.To1. | Act-Nom     | Graphic |

**POS\_P265(1)**

**POI**

|        |         |         |         |         |  |         |
|--------|---------|---------|---------|---------|--|---------|
| POSITN | 0.00434 | 0.00000 | 0.00500 |         |  | 0.00434 |
| MMCADD | 0.00515 |         |         |         |  |         |
| POSMMC | 0.00434 | 0.00000 | 0.01015 | 0.00000 |  | 0.00434 |

**DIA\_P265(2)**

**CIR**

|      |         |         |         |          |  |         |
|------|---------|---------|---------|----------|--|---------|
| FORM | 0.00008 |         |         |          |  |         |
| DM   | 0.26821 | 0.26500 | 0.00500 | -0.00200 |  | 0.00321 |
| X    | 0.00189 | 0.00000 |         |          |  | 0.00189 |
| Y    | 1.00008 | 1.00000 |         |          |  | 0.00008 |



**POS\_P265(2)**

**POI**

|        |         |         |         |         |  |         |
|--------|---------|---------|---------|---------|--|---------|
| POSITN | 0.00379 | 0.00000 | 0.00500 |         |  | 0.00379 |
| MMCADD | 0.00514 |         |         |         |  |         |
| POSMMC | 0.00379 | 0.00000 | 0.01014 | 0.00000 |  | 0.00379 |

**DIA\_P265(3)**

**CIR**

|      |         |         |         |          |  |         |
|------|---------|---------|---------|----------|--|---------|
| FORM | 0.00002 |         |         |          |  |         |
| DM   | 0.26823 | 0.26500 | 0.00500 | -0.00200 |  | 0.00323 |
| X    | 0.00235 | 0.00000 |         |          |  | 0.00235 |
| Y    | 1.00052 | 1.00000 |         |          |  | 0.00052 |



**POS\_P265(3)**

**POI**

|        |         |         |         |         |  |         |
|--------|---------|---------|---------|---------|--|---------|
| POSITN | 0.00480 | 0.00000 | 0.00500 |         |  | 0.00480 |
| MMCADD | 0.00522 |         |         |         |  |         |
| POSMMC | 0.00480 | 0.00000 | 0.01022 | 0.00000 |  | 0.00480 |

**DIA\_P265(4)**

**CIR**

|      |         |         |         |          |  |         |
|------|---------|---------|---------|----------|--|---------|
| FORM | 0.00006 |         |         |          |  |         |
| DM   | 0.26823 | 0.26500 | 0.00500 | -0.00200 |  | 0.00323 |
| X    | 0.00260 | 0.00000 |         |          |  | 0.00260 |
| Y    | 1.00061 | 1.00000 |         |          |  | 0.00061 |



**POS\_P265(4)**

**POI**

|        |         |         |         |         |  |         |
|--------|---------|---------|---------|---------|--|---------|
| POSITN | 0.00535 | 0.00000 | 0.00500 |         |  | 0.00535 |
| MMCADD | 0.00516 |         |         |         |  |         |
| POSMMC | 0.00535 | 0.00000 | 0.01016 | 0.00000 |  | 0.00535 |

**DIA\_P265(5)**

**CIR**

|      |         |         |         |          |  |         |
|------|---------|---------|---------|----------|--|---------|
| FORM | 0.00007 |         |         |          |  |         |
| DM   | 0.26819 | 0.26500 | 0.00500 | -0.00200 |  | 0.00319 |
| X    | 0.00294 | 0.00000 |         |          |  | 0.00294 |
| Y    | 1.00010 | 1.00000 |         |          |  | 0.00010 |



**POS\_P265(5)**

**POI**

|        |         |         |         |         |  |         |
|--------|---------|---------|---------|---------|--|---------|
| POSITN | 0.00589 | 0.00000 | 0.00500 |         |  | 0.00589 |
| MMCADD | 0.00513 |         |         |         |  |         |
| POSMMC | 0.00589 | 0.00000 | 0.01013 | 0.00000 |  | 0.00589 |

**DIA\_P265(6)**

**CIR**

|      |         |         |         |          |  |          |
|------|---------|---------|---------|----------|--|----------|
| FORM | 0.00005 |         |         |          |  |          |
| DM   | 0.26818 | 0.26500 | 0.00500 | -0.00200 |  | 0.00318  |
| X    | 0.00267 | 0.00000 |         |          |  | 0.00267  |
| Y    | 0.99944 | 1.00000 |         |          |  | -0.00056 |



**POS\_P265(6)**

**POI**

|        |         |         |         |         |  |         |
|--------|---------|---------|---------|---------|--|---------|
| POSITN | 0.00547 | 0.00000 | 0.00500 |         |  | 0.00547 |
| MMCADD | 0.00513 |         |         |         |  |         |
| POSMMC | 0.00547 | 0.00000 | 0.01013 | 0.00000 |  | 0.00547 |

| Text                      | Eval. | Actual | Nominal  | Up.To1. | Low.To1. | Act-Nom     | Graphic |
|---------------------------|-------|--------|----------|---------|----------|-------------|---------|
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|---------------------------|--------|---------|------------|---------|----------|-------------|---------|
| Text                      | Eval.  | Actual  | Nominal    | Up.Tol. | Low.Tol. | Act-Nom     | Graphic |
| <b>DIST_1P127</b>         |        |         | <b>AXI</b> |         |          |             |         |
|                           | DY     | 1.12753 | 1.12700    | 0.00200 | 0.00000  | 0.00053     |         |
| <b>POS_1P127</b>          |        |         | <b>AXI</b> |         |          |             |         |
|                           | POSITN | 0.00016 | 0.00000    | 0.00200 | 0.00000  | 0.00016     |         |
| <b>DIST_P627</b>          |        |         | <b>AXI</b> |         |          |             |         |
|                           | DX     | 0.62778 | 0.62700    | 0.00200 | 0.00000  | 0.00078     |         |
| <b>POS_P627</b>           |        |         | <b>AXI</b> |         |          |             |         |
|                           | POSITN | 0.00013 | 0.00000    | 0.00200 | 0.00000  | 0.00013     |         |
| <b>SQRNS_P627</b>         |        |         | <b>PLA</b> |         |          |             |         |
|                           | SQRNES | 0.00028 | 0.00000    | 0.00200 | 0.00000  | 0.00028     |         |
| <b>RAD_P125(1)</b>        |        |         | <b>CIR</b> |         |          |             |         |
|                           | FORM   | 0.00008 |            |         |          |             |         |
|                           | RA     | 0.12217 | 0.12500    | 0.00000 | -0.00500 | -0.00283    |         |
| <b>RAD_P125(2)</b>        |        |         | <b>CIR</b> |         |          |             |         |
|                           | FORM   | 0.00000 |            |         |          |             |         |
|                           | RA     | 0.12169 | 0.12500    | 0.00000 | -0.00500 | -0.00331    |         |
| <b>RAD_P125(3)</b>        |        |         | <b>CIR</b> |         |          |             |         |
|                           | FORM   | 0.00009 |            |         |          |             |         |
|                           | RA     | 0.12242 | 0.12500    | 0.00000 | -0.00500 | -0.00258    |         |
| <b>RAD_P125(4)</b>        |        |         | <b>CIR</b> |         |          |             |         |
|                           | FORM   | 0.00003 |            |         |          |             |         |
|                           | RA     | 0.12179 | 0.12500    | 0.00000 | -0.00500 | -0.00321    |         |

| Text                      | Eval. | Actual | Nominal  | Up.Tol. | Low.Tol. | Act-Nom     | Graphic |
|---------------------------|-------|--------|----------|---------|----------|-------------|---------|
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