

# Quindos Measuring Report



3D-Application Center

Description	LCLS UNDULATOR QUA	Customer	LCLS
Drawing Number	N/A	Serial Number	000737
Remarks		Article Number	
Supplier	OSV	Delivery Date	
Delivery Note		Delivery Volume	
Lot Number		Lot Size	
Test Schedule		Sample Size	
Production Machine		Production Tool	
Production Date		Production Time	
Order		Department	
Inspector	KCABAN	Inspection Date	16-NOV-2007, 08:19:38
Measuring Device	PMM 12 10 6	Measuring Program	Quindos7 - V 7.00.7174
User Name	kcaban	WKP Name	LCLSUNDQUAD

Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic
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**CEN\$CIR\_P** **CIR**

DM	0.43356
X	0.00018
Y	-0.00049

**CEN\$CIR\_N** **CIR**

DM	0.43420
X	0.00079
Y	0.00096

**POLE\$DIST\_ACP** **AXI**

Pole Distance (A-C) Pos 'Z'							
DS DIM F	DXY	0.43329	0.43300			0.00029	

**POLE\$DIST\_ACN** **AXI**

Pole Distance (A-C) Neg 'Z'							
US DIM F	DXY	0.43590	0.43300			0.00290	

**POLE\$DIST\_BDP** **AXI**

Pole Distance (B-D) Pos 'Z'							
DS DIM E	DXY	0.43344	0.43300			0.00044	

**POLE\$DIST\_BDN** **AXI**

Pole Distance (B-D) Neg 'Z'							
US DIM E	DXY	0.43399	0.43300			0.00099	

**XGAP\_NAB** **AXI**

X Pole Gap (A-B) Neg 'Z'							
US DIM C	DX	0.16062	0.15700			0.00362	

**XGAP\_NCD** **AXI**

X Pole Gap (C-D) Neg 'Z'							
US DIM A	DX	-0.16017	0.15700			0.00317	

**XGAP\_PAB** **AXI**

X Pole Gap (A-B) Pos 'Z'							
DS DIM C	DX	0.15914	0.15700			0.00214	

Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic
Date: 16-Nov-07, 08:19:38						LCLSUNDQUAD	Page 1 of 3

Date: 16-Nov-07, 08:19:38			LCLSUNDQUAD			Page 2 of 3	
Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic

**XGAP\_PCD** AXI  
X Pole Gap (C-D) Pos 'Z'

DS DIM A	DX	-0.15627	0.15700			-0.00073	
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**XGAP\_NAD** AXI  
US DIM B

DY	0.16005	0.15700			0.00305	
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**XGAP\_NBC** AXI  
Y Pole Gap (B-C) Neg 'Z'

US DIM D	DY	0.15828	0.15700			0.00128	
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**XGAP\_PAD** AXI  
Y Pole Gap (A-D) Pos 'Z'

DS DIM B	DY	0.16200	0.15700			0.00500	
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**XGAP\_PBC** AXI  
Y Pole Gap (B-C) Pos 'Z'

DS DIM D	DY	0.16216	0.15700			0.00516	
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**DI\_BASE** AXI  
Base of Quad (Alum) to Pole Center Line

DY	5.18685	5.19300	0.00500	-0.00500	-0.00615	
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**TB(1)** SPH  
5 - Tooling Ball Measurements using standard 1/2" TB w/ 1" extension

FORM	0.00047
DM	0.49683
X	3.37406
Y	6.31732
Z	1.47558

**TB(2)** SPH

FORM	0.00006
DM	0.50004
X	-3.37930
Y	6.31463
Z	1.50356

**TB(3)** SPH

FORM	0.00085
DM	0.49770
X	-3.40376
Y	6.31456
Z	-1.49064

**TB(4)** SPH

FORM	0.00020
DM	0.49985
X	3.36160
Y	6.31340
Z	-1.51886

**TB(5)** SPH

FORM	0.00061
DM	0.49842
X	6.26923
Y	-0.00316
Z	0.00343

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Date: 16-Nov-07, 08:19:38			LCLSUNDQUAD			Page 2 of 3	

Date: 16-Nov-07, 08:19:38			LCLSUNDQUAD			Page 3 of 3	
Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic

**CYL(1)**

**CYL**

Cylinder Projected to a 1" Offset on the Toolingball Adapter Plane

FORM 0.00063  
DM 0.25264

**PROJ\$CYL(1)**

**POI**

X 3.37738  
Y 6.31359  
Z 1.47111

**CYL(2)**

**CYL**

FORM 0.00036  
DM 0.25082

**PROJ\$CYL(2)**

**POI**

X -3.37798  
Y 6.31334  
Z 1.50122

**CYL(3)**

**CYL**

FORM 0.00268  
DM 0.25274

**PROJ\$CYL(3)**

**POI**

X -3.40911  
Y 6.31100  
Z -1.48415

**CYL(4)**

**CYL**

FORM 0.00016  
DM 0.25042

**PROJ\$CYL(4)**

**POI**

X 3.35968  
Y 6.31151  
Z -1.52124

**CYL(5)**

**CYL**

FORM 0.00009  
DM 0.25057

**PROJ\$CYL(5)**

**POI**

X 6.26813  
Y -0.00115  
Z 0.00487

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Date: 16-Nov-07, 08:19:38			LCLSUNDQUAD			Page 3 of 3	