


Zimbra

xiaochao@jlab.org

Quote no. W14-345A RE: Scintillator sheet inquiries for the JLab SoLID project

From : Stephanie Wiele <swiele@eljentechnology.com> Mon, Oct 27, 2014 05:09 PM
Subject : Quote no. W14-345A RE: Scintillator sheet inquiries for the JLab SoLID project  1 attachment
To : 'Xiaochao Zheng' <xiaochao@jlab.org>
Cc : cmaxwell@eljentechnology.com,
churlbut@eljentechnology.com

Dear Xiaochao,

Here is the quotation for the light guides and the plastic scintillator bars. I will try to get you the quote for the hexagons before the end of the week.

1. Acrylic Fishtail Light Guide

Size: 10mm x 140mm to 17.5mm dia, 60mm long, with 17.5mm dia x 12.7mm disc

All surfaces polished or diamond-milled

1 ea.	\$550 each
2 ea.	\$483 each
3 ea.	\$454 each
6 ea.	\$398 each

2. Acrylic Fishtail Light Guide

Size: 20mm x 140mm to 17.5mm dia, 60mm long, with 17.5mm dia x 12.7mm disc

All surfaces polished or diamond-milled

1 ea.	\$550 each
2 ea.	\$483 each
3 ea.	\$454 each
6 ea.	\$398 each

3. Acrylic Fishtail Light Guide

Size: 10mm x 140mm to 39mm dia, 50.5mm long, with 39mm dia x 12.7mm disc

All surfaces polished or diamond-milled

1 ea.	\$567 each
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2 ea. \$500 each
3 ea. \$471 each
6 ea. \$415 each

4. Acrylic Fishtail Light Guide

Size: 20mm x 140mm to 39mm dia, 50.5mm long, with 39mm dia x 12.7mm disc

All surfaces polished or diamond-milled

1 ea. \$567 each
2 ea. \$500 each
3 ea. \$471 each
6 ea. \$415 each

5. Acrylic Fishtail Light Guide

Size: 20mm x 140mm to 39mm dia, with 39mm dia x 12.7mm disc, at 55-deg angle (see attached drawing)

All surfaces polished or diamond-milled

1 ea. \$732 each
2 ea. \$627 each
3 ea. \$581 each
6 ea. \$506 each

6. EJ-200 Plastic Scintillator

Size: 50mm x 50mm x 300mm

Edges diamond-milled

3 ea. \$224 each

Delivery: 5-6 weeks ARO

*Lead times are based on our current workloads. A firm delivery date will be provided at the time of the order.

Payment Terms: NET 30 days with approved credit or Credit Card

Ex works: Sweetwater TX

Validity of Quote: 90 days

Kind regards,
Stephanie Wiele
Sales

Eljen Technology

1300 W. Broadway
Sweetwater TX 79556
Ph: 325-235-4276
Toll Free: 888-800-8771
Fax: 325-235-0701
Website: www.eljentechnology.com

-----Original Message-----

From: Xiaochao Zheng [mailto:xiaochao@jlab.org]
Sent: Monday, October 27, 2014 12:42 PM
To: Stephanie Wiele
Subject: Re: Scintillator sheet inquiries for the JLab SoLID project

Dear Stephanie:

If your machine shop can only make flat surfaces, then I prefer to have only one flat surface connecting the two corners (the same two corners that the curve in my sketch connected). So the angle would be $\arctan(20\text{mm}/47.61\text{mm})=22.79$ deg instead of 35 or 45deg.

Thanks,

Xiaochao

----- Original Message -----

From: "Stephanie Wiele" <swiele@eljentechnology.com>
To: "Xiaochao Zheng" <xiaochao@jlab.org>
Sent: Monday, October 27, 2014 12:17:23 PM
Subject: RE: Scintillator sheet inquiries for the JLab SoLID project

Hi Xiaochao,

Attached is the new drawing for the 55-degree light guide. Unfortunately we do not have the machining capabilities to make the smooth transition to you requested. The best we can do is a slight approximation with flat surfaces. If this design will work for you, I should be able to send you a quote this afternoon for

all five light guides and scintillator bars.

Kind regards,
Stephanie

-----Original Message-----

From: Xiaochao Zheng [mailto:xiaochao@jlab.org]
Sent: Monday, October 27, 2014 9:12 AM
To: Stephanie Wiele
Subject: Re: Scintillator sheet inquiries for the JLab SoLID project

Hi Stephanie:

How is the light guide design going?

Can you provide a quote for the light guide + "LASPD"? I'd like to place the order as soon as I can. The quote for the hexagon sheets can wait.

Thanks,

Xiaochao

----- Original Message -----

From: "Stephanie Wiele" <swiele@eljentechnology.com>
To: "Xiaochao Zheng" <xiaochao@jlab.org>
Sent: Thursday, October 23, 2014 4:05:44 PM
Subject: RE: Scintillator sheet inquiries for the JLab SoLID project

Also, can you specify the hole sizes required for the hexagon with all of the holes?

-Stephanie

-----Original Message-----

From: Stephanie Wiele [mailto:swiele@eljentechnology.com]
Sent: Thursday, October 23, 2014 3:02 PM
To: 'Xiaochao Zheng'
Subject: RE: Scintillator sheet inquiries for the JLab SoLID project

Hello Xiaochao,

I will check with our machine shop to see what we can offer for the hexagon groove design and for the hexagon with the holes. I will send you a quotation based on what we can offer.

Kind regards,
Stephanie

-----Original Message-----

From: Xiaochao Zheng [mailto:xiaochao@jlab.org]
Sent: Thursday, October 23, 2014 1:18 PM
To: Stephanie Wiele
Subject: Re: Scintillator sheet inquiries for the JLab SoLID project

Dear Stephanie:

I have another question (and sorry for flooding your inbox with my questions): Can Eljen provide 20-mm thick hexagon-shape scintillator tiles with grooves on the top? I have attached a sketch. For prototyping we need 3, and for the final SoLID project we will need 1800. Is it possible to provide a quote for budgeting purposes?

Similar to the scintillator sheet request, if Eljen cannot make the grooves, please provide a quote for the tile alone and I will find a machine shop to machine the grooves.

Thanks,

Xiaochao

----- Original Message -----

From: "Xiaochao Zheng" <xiaochao@jlab.org>
To: "Stephanie Wiele" <swiele@eljentechnology.com>
Sent: Wednesday, October 22, 2014 10:42:55 AM
Subject: Scintillator sheet inquiries for the JLab SoLID project

Dear Stephanie:

While you are working on the light guide quote, I have a separate question:

We need 1.5-mm thick scintillator sheets, cut and machined to a specific shape, please see attached sketch.

I'd like to know if Eljen can produce such sheets. For prototyping we will need 2000, and for the final SoLID project we will need 400,000. Another option is for Eljen to produce the sheets and I will find a machine shop to drill the holes.

Please let me know, thanks,

Xiaochao



JLab Fish LG 20x140x39Dmm 55deg-3.pdf
399 KB
