



## *The Beta Buzz*

**Newsletter Vol. 1 Number 6  
Spring 2007  
Brookfield, CT**

*We had a very busy winter in Brookfield, CT. Thanks to all of our customers.*

*Finally, Spring is here! We look forward to keeping you informed on the "Buzz" here at BSL. Thanks to all those who sent in their comments. Please let us know if there is anything in particular you would like to see in the "Buzz", and we'll try and put it in a future edition.*

*Here's what is new...*



### ***Beta Squared Lithography's Helium Regulator***

Our Helium Regulator and hose kit is designed to control the helium pressure in the Projection Optics. It incorporates a pressure meter gauge, located on the front panel, with user adjustable upper and lower pressure limits. Best of all it is plug and play unit. The Hose and Go feature allows the user to install the unit to the machine and have running within 2 hours. You can replace your existing helium system, and have it be mounted external to the machine. This unit can be exchanged in a matter of minutes. Better than the original and so easy to operate. Call today for a quote!

### ***Beta Squared Lithography, Inc. shares customer information on "OEE"***

One of our customers has agreed to allow us to share their internal data on "unplanned downtime". This is the Overall Equipment Effectiveness data from their files. However, in order to share this information with you, we have agreed not to reveal the customer's name. This information is based on Micraligns that have OS2000, and are only serviced by BSL.

Here is a statement from our customer. "I checked the other critical toolsets (Steppers, Plasma Etchers, Implanters and Sputter Systems) and the PE unscheduled downtime is <50% of any of them and more typically about 33%. This has been noticeable for the past 6-9 months."

The chart below covers 6 weeks for UPDT (Unplanned Down Time), PDT (Planned Down Time) and Engineering Time. Our customer stated that a combination of our OS2000 Operating System along with having the most knowledgeable Field Service Engineers in the industry, a preventative maintenance program, having the machines rehosed and installing our High Reliability parts make the unplanned downtime superior overall in your fab. Overall downtime is 2.1%. Are you using BSL for your all service and parts requirements?

	1/27	2/3	2/10	2/17	2/24	3/3	6 wk avg
UPDT	1.0%	1.4%	1.0%	1.0%	2.6%	1.2%	1.4%
PDT	0.5%	0.9%	0.9%	0.7%	0.4%	0.8%	0.7%
Engr	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%

***Beta Squared Lithography's new Overlay Accuracy/Stability Improvement Kit***

Beta Squared Lithography, Inc. has a new Overlay Accuracy/Stability Improvement Kit. The benefits of the kit are: Improved overlay accuracy/stability; faster throughput and fewer AFA iterations. Call us for more information!!!

***Beta Squared Lithography, Inc., the leader in Micralign™ Sales, Service, High Reliability Parts and Equipment Upgrades has the following Micralign™ Mask Aligners available for sale with or without OS2000:***

Model	Quantity	Availability
M761HT	2	IN STOCK
M751HT	1	IN STOCK
M661HT	2	IN STOCK
HTR+	4	IN STOCK
M641HT	2	IN STOCK
M552HT	3	IN STOCK
M542HT	1	IN STOCK

(Certain Models can ship in 2 weeks, inventory as of 10-Apr-2007)

***When you purchase a Micralign™ from Beta Squared Lithography, Inc. you are backed by our infrastructure: large parts inventory, service and extensive knowledge to support you with your investment. We are the Micralign™ Specialists!***

***BSL Sales, Service and Support***

Beta Squared Lithography, Inc. has a huge inventory of Micraligns™ that are completely refurbished to "Factory Specifications". The **depth & breadth of our inventory** consists of "high reliability" parts and accessories that are unsurpassed and **ready to ship**. We can **completely refurbish, upgrade and customize your existing equipment** to meet today's requirements. BSL offers **training for beginner, intermediate and advanced** levels along with **technical support**. Our **Field Service and Support Staff** is available both overseas and domestic. We provide the highest quality of **custom maintenance services**, based on your needs. Ask us about our **Micralign™ equipment lease programs**. **We can customize one just for you!**

***"We focus on high reliability, throughput enhancements, and reduced cost of ownership for our customers."***

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