Newsletter - April **2011**
By Neeraj Lakhotia

Dear Optics Colleague,

We are going to exhibit at Laser World of PHOTONICS 2011 in Munich, Germany wish to meet you there. In this issue some of new products and news updates are:

1) Cutting Head
2) Coaxial Vision Laser Tube
3) Fiber Laser
4_CO_2 Laser
5) ZnSe Cylindrical Lens
6) Scan Lens (Big Input Aperture)
7) Beam Shaper
8) Athermal Lens
9) Upcoming Exhibition

Should you have any question, please contact us at info@wavelength-tech.com. For more details, please check out our website: www.wavelength-tech.com.

1. Cutting Head

Wavelength Technology has developed the new type of laser cutting delivery headers whose ID number is DH-10.6-EFFL, such as DH-10.6-50.8.

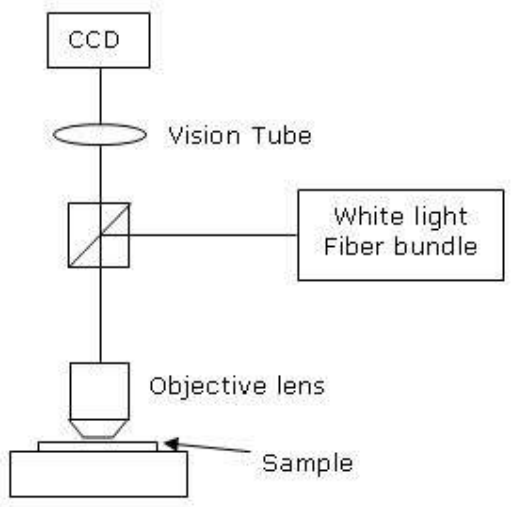
Specifications

Maximum Power	500W
Focal lens Cooling	Water or Air Cooled
Working distance adjustable range	0mm-42mm (not the working distance but the adjustable range)
Mirror Diameter	38.5mm
Reflection	>99.5%
Input Diameters	24mm maximum
Mirror tilt angle	Adjustable,+/- 3degree
Focal length	Specified by clients

2. Coaxial Vision Laser Tube

Fiber Laser Monitor System, for fiber laser cutting!

The laser beam input from the port is collimated by the collimator. The collimated beam is reflected to laser delivery which can focal the beam into a spot on the working plane. At the same time the working plane is imaged to the imaging plane through the delivery and imaging lens. So finally with the help of a camera with C mount you will get a video of working plane in time.



Coaxial Vision Laser Tube

Coaxial Vision Laser Tube

Fiber Laser

CO_2 Laser

3. Fiber Laser

Wavelength Technology provided Fiber Laser which is leading high power fiber laser having following properties:

- High quality
- Excellent service
- Low operating costs

High power fiber laser products including 10W to 50W pulsed fiber lasers and 10W to 100W continuous wave fiber lasers.

4. CO_2 Laser

Stabilized CO_2/**CO** lasers, Super-pulsed, Wavelength Tunable: portable, battery operatable, Superb passive power and frequency stability with a small package.

Main Features of CO2/CO LASER:

- Reliability
- Portability
- Stability
- Tunability
- Affordability
- High-Precision

5. ZnSe Cylindrical Lens

ZnSe Cylindrical Lens & Prism

We have outstanding lens manufacturing capability with experience of more than 10 years. Beside other standard optics, we are also able to produce high quality of **ZnSe Cylindrical Lens** and **Prism**. Just tell us what you need, and we will produce it for you.

Custom dimension and FL can be made upon request

Part No.	L x W (mm)	f (mm)@10.6um	R (mm)
LZCY-25*25Z-25	25.4*25.4	25.4	35.56
LZCY-25*25Z-38	25.4*25.4	38.1	53.34
LZCY-25*25Z-50	25.4*25.4	50.8	71.12
LZCY-25*25Z-63	25.4*25.4	63.5	88.9
LZCY-25*25Z-76	25.4*25.4	76.2	106.7

6. Scan Lens (Big Input Aperture)

Scan lens are designed for Nd:YAG, Green, UV laser systemfor bigger input beam diameter. The lenses are widely used in fields such as machine vision, engraving, drilling, cutting and marking applications.

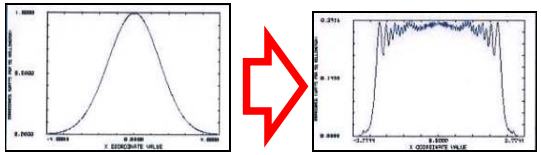
Typically the F-theta distortion of this lens is kept less than 1% so that it produces a precise spot on the flat field on image plane.

Part No.	EFL (mm)	Scan Field (mm)	Input Beam (nm)
SL-1064-F165-25	165	100*100	25
SL-1064-F254-25	254	150*150	25
SL-1064-F310-25	310	200*200	25

7. Beam Shaper

The new model of Beam Shaper offers flat top-hat with longer working distance. The beam shaper has several benefits over diffractive optics including: wavelength insensitivity, collimated output, and simpler mounting and alignment.

Stocks are available for 10.6um/1064/532/355nm.



It converts Gaussian input beam to a Flat-Top output

BS-1064/532/355/266

Part No.	Input Beam	Working Distance (mm)	Wavelength (nm)
BS-XXX	4.6-5.0	25-200	1064/532/355/266
BS-XXX-6-W600	5.8-6.0	100-600	1064/532/355

8. Athermal Lens

Athermal Lens configuration will auto-adjust itself when placed at different temperature. Our new design which add series of other IR Lens products.

9. Upcoming Exhibition Events

Date	Event	Venue
LASER World of PHOTONICS 23-26 May, 2011	Global laser and photonics Exhibition	Munich, Germany Booth No.: B2-155
OPTO TAIWAN 2011 OPTO Taiwan 14-16 June, 2011	Optoelectronics Exhibition	Nangang Exhibition Hall, Taiwan Booth No. K525 (1F)
ASSEMBLY Technology 2011 23-26 June, 2011	Automated manufacturing and processing technologies Show	BITEC ,Bangkok

Welcome to our booths