



Quality of Excellence, presented by Sintec Optronics

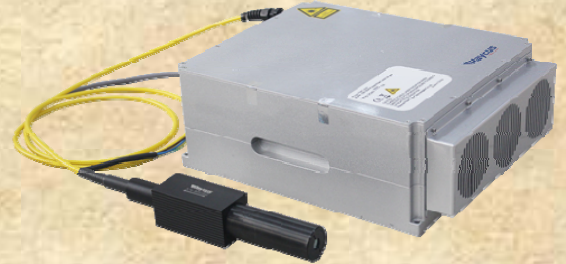
Pulsed Fiber Laser, STR series pulsed fiber laser is a compact module up to 100W output power with fiber delivery through a near diffraction limited beam. The excellent beam quality and power stability make this series laser a multipurpose tool with cost effective performance and maintenance free operation.

Features:

- >High efficiency
- >Good beam quality
- >Compact rugged package
- >Maintenance free operation

Applications:

- >Marking
- >Engraving
- >Micromachining
- >Precision drilling
- >Welding
- >Cutting



Applications:



Text marking



Number marking



Logo marking



Color marking

High Power Fiber Laser, STR series high power single mode CW fiber laser is up to 500W output power with fiber delivery through a near diffraction limited beam. The excellent beam quality and power stability make this series laser a multipurpose tool with cost effective performance and maintenance free operation.

Features:

- > High efficiency
- > Excellent beam quality
- > Collimated output
- > Maintenance free operation

Applications:

- > Micromachining
- > Cutting
- > Welding
- > Drilling
- > Printing



Application:



Mild steel 5mm



Stainless steel 1mm



Stainless steel 0.5mm

Scan Lenses (f- θ Lenses) for Nd:YAG Lasers, Lenses used in combination with XY galvanometer scanner are called f -theta lenses, plane field objectives or simple scan lenses. f -theta lenses are used in various applications from industrial material processing, drilling, welding of synthetic material and cutting in addition to medical and biotechnology (confocal microscopy, ophthalmology) to science and research. The design and the quality of the optical components are playing a decisive role.



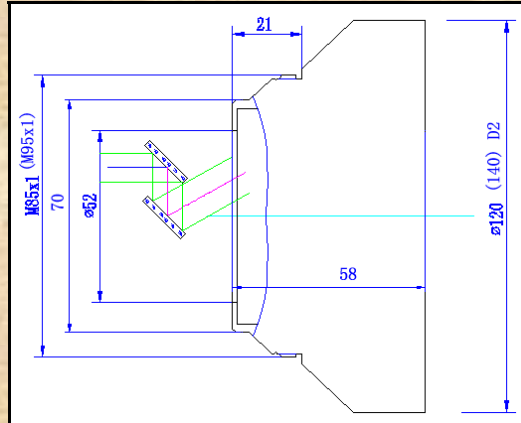
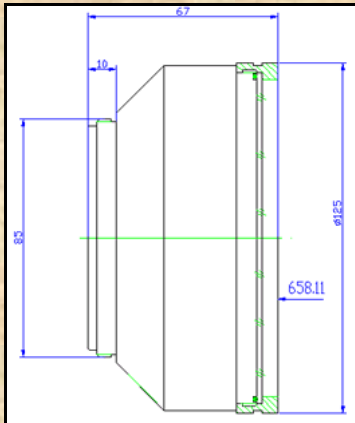
SINTEC NEWSLETTER

Sintec Optronics

Laser Expert in Singapore

October 2013 Newsletter

<http://www.SintecOptronics.com>



Model	F.L. mm	WD mm	Scan area mm	Scan Angle θmax	E.P. mm	Spot µm	D1 mm	D2 mm	Screw	Outlin e	Protective glass dia. mm
STY-1064-70-100	100	107	Φ100/70×70	±28°	16	10	40	90	M85×1	Fig.1	80
STY-1064-110-160	160	180	Φ155/110×110	±28°	12	18	36	90	M85×1	Fig.1	75
STY-1064-175-254	254	277.7	Φ245/175×75	±28°	15	20	36	90	M85×1	Fig.1	75
STY-1064-230-330	330	363	Φ330/230×230	±28°	16	20	38	90	M85×1	Fig.1	80
STY-1064-255-380	380	420	Φ360/255×255	±28°	15	20	38	90	M85×1	Fig.1	75
STY-1064-286-420	420	456	Φ405/286×286	±28°	20	20	52	120	M85×1	Fig.2	113
STY-1064-300-430	430	477	Φ425/300×300	±28°	20	20	52	120	M85×1	Fig.2	113
STY-1064-360-525	525	606	Φ510/360×360	±28°	20	30	52	120	M85×1	Fig.2	113
STY-1064-400-580	580	657	Φ566/400×400	±28°	20	25	72	125	M85×1	Fig.6	118
STY-1064-420-590	590	650	Φ595/420×420	±28°	20	25	52	140	M95×1	Fig.2	133.5
STY-1064-430-610	610	670	Φ610/430×430	±28°	20	25	52	140	M95×1	Fig.2	133.5

Scan Lenses for 10.6µm CO₂ Lasers, STSL scanner lenses specially designed and optimized for use in CO₂ laser 2-axis galvo-scanner systems with full beam diameters of up to 15.0mm. Mirror sets appropriate for use with beam diameters up to 15mm require an increase in mirror separation in comparison with smaller mirrors. These changed optical conditions are catered for by the STSL series. These single-element lenses are designed to represent the best achievable compromise for on-axis and off-axis aberrations, field flatness and F-theta characteristics, obtainable using single-element spherical-surface designs of (standard) 48mm diameter. The lens material is ZnSe.



Part no.	Focal length (mm)	Field size (mm)	Back focal length (mm)	Flange focal length (mm)	Average spot diameter (mm)
STSL-10.6-50-75	75.2	50 x 50	74.2	78.4	171
STSL-10.6-60-90	90.1	60 x 60	90.0	94.8	174
STSL-10.6-70-101	101.3	70 x 70	101.4	106.1	181
STSL-10.6-105-149	149.1	105 x 105	150.6	155.6	219
STSL-10.6-120-175	175.0	120 x 120	177.4	178.4	243
STSL-10.6-125-179	179.2	125 x 125	181.9	187.3	247
STSL-10.6-140-201	200.6	140 x 140	203.5	208.8	269
STSL-10.6-155-226	225.5	155 x 155	228.0	232.8	296
STSL-10.6-175-249	249.4	175 x 175	253.3	258.5	320
STSL-10.6-210-298	298.0	210 x 210	302.6	307.7	373
STSL-10.6-250-363	362.6	250 x 250	368.2	373.2	445
STSL-10.6-280-394	394.4	280 x 280	401.4	406.7	481
STSL-10.6-300-433	432.7	300 x 300	441.0	446.2	525
STSL-10.6-340-482	481.8	340 x 340	490.2	495.3	581

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