



# LIGHTLINE

LASERTECHNIK

20 YEARS OF EXPERIENCE



HIGH POWER LASER

LASERSHOW & MULTIMEDIA

PERMANENT INSTALLATIONS



**LIGHTLINE**  
LASERTECHNIK

## about us

LIGHTLINE Lasertechnik was founded in 1992 by Marco Stümpel in Osnabrueck, Germany, as well as later the LIGHTLINE Lasertechnik GmbH.

The first founded LIGHTLINE Lasertechnik e.K. is responsible for the highclass rental service and the LIGHTLINE Lasertechnik GmbH is taking care of the sales and the manufacturing process.

The modern manufacturing facility has engineers, laser technicians and show producers who constantly work on new products, new laser shows and multimedia installations.

Through the 20 years of experience of Marco Stümpel his company has grown to one of the leading show laser suppliers for high power lasers worldwide.

## MAIN COMPETENCE

Our main focus is the development and manufacturing of high-power OPSL-lasersystems. Power levels between 10-100 watts are the typical range of our products.

The Excellent-projectors above 5 watts are all equipped with the Coherent Taipan laser diodes.

The customer can choose from many different colors and power levels. To make the right decision our technicians are glad to help with the suitable choice of diodes.

In the projectors only high quality optics and high efficient dichroic filters are used. There are many standard features like safety circuits, ILDA-connector and DMX-control integrated in the systems.





# WORTH KNOWING

Lightline was the first company to use and sell the new OPSSL-technology. As the first certified integrator we soon became the "PREMIUM-INTEGRATOR" status. This means that we were treated with priority in terms of delivery time, service and technology transfer.

As one of the leading pioneers we have an extensive experience with these lasersources by Coherent. A proof for our quality is that Coherent uses Lightline power-supplies for their Taipan-OPSSL-diodes.

There is no other laser source that offers so many benefits, as the OPSSL-diodes. Ten different wavelengths are available today with various power levels. The mechanical platform is similar for all diodes, so that the combination is easy and the integration is clean and efficient.

Some key features:

- excellent beam quality
- high power
- long lifetime with up to 20.000 hours
- outstanding reliability
- TEM<sub>00</sub> available for various colours



blue	460nm	1,2 Watt spec. ,	max. 6 Watt
blue	480nm	1,2,4 Watt spec. ,	max. 10 Watt
cyan	488nm	5, 15 (Viper) Watt spec. ,	max. 35 Watt
green	514nm	3,5 Watt spec.,	max. 12 Watt
green	532nm	3,5,8,10, 20 (Viper) Watt spec. ,	max. 50 Watt
mint	561nm	2 Watt spec. ,	max. 5 Watt
yellow	577nm	3,5,6 Watt spec. ,	max. 12 Watt
orange	590nm	3, 15 (Viper) Watt spec. ,	max. 35 Watt
orange	607nm	1.25 Watt spec. ,	max. 3 Watt
red	639 nm	1.5, 2.5, 5 Watt spec. ,	max. 12 Watt

April 2007



February 2007



May 2010



May 2011



October 2011



March 2012



## LASEARRAY

The LASEARRAY is a light-effect where 10 parallel laserbeams are mounted in a very lightweight bar that are controlled via DMX. Each diode is individually controllable with a linear 0-100% power output. It creates a very unique effect because of it's long range where the beams stay sharp on a long distance. Red (638nm), green (520nm) and blue (450nm) versions are available in different power levels. Typical applications are concerts, TV-shows and architectural installations.

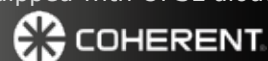


## SUPERSHARP

The brandnew SUPERSHARP is an extremely bright and small projector that has an outstanding beamquality. All OPAL-TEM<sub>00</sub> lasersources ensure very sharp lasergraphics and beameffects. TEM<sub>00</sub> means that the lasers have a much better beam characteristic than direct diode solutions. This system can be easily compared with projectors that have much more power on the watt-scale.



Equipped with OPAL diodes by:



## EXCELLENT 10



The Excellent 10 projector is designed for medium power applications. With 4 slots for Coherent Taipan diodes it offers a good variety of colour and power setups. Well balanced white light output between 6 and 10 watts is typical. Single colour setup of 40 watts green is also possible.

Equipped with OPSL diodes by:



## EXCELLENT 15

5 diodeslots gives the customer a perfect variety of different colour- and power setups. With optional beam effects this projector has all that is needed for a perfect lasershow. Integrated controllers, DMX-input and ethernetcontrol makes it flexible and easy to integrate into large lighting concepts. A white light output between 10 and 25 watts is typical.



Equipped with OPSL diodes by:





## EXCELLENT 30/60

For very large projections or large fullcolor outdoor shows the Excellent 30 has enough power for almost every show. Single color setups achieve more than 70 watts and fullcolor setups typically have 25-65 watts of pure white light.

Gratings, fiber-outputs and other features are also available for this system.



Equipped with OPSL diodes by:



## EXCELLENT TRIPAN/ TRIPAN-O

Our “bestseller”. The very cost effective TRIPAN by COHERENT offers laser power between 5-8 watts of white light with high quality beam parameters. Whenever reliability and quality is needed, this system satisfies all the needs of professional laser entertainment companies. As an option we offer the TRIPAN-O with the 3W 590nm Taipan to get more power and nicer colours.



Equipped with OPSL diodes by:



## EXCELLENT SLP



Equipped with OPSL diodes by:



The **Single Line Projector** is a very small and powerful projector that includes one Coherent Taipan diode of your choice. It can be integrated in any stage setup without noticing it. It's dustproof housing is made of black anodized aluminium and has a low weight of only 9 kg.

## EXCELLENT SLP-MAX

Just like the SLP this laser system can be used for one Coherent Taipan diode.

Additionally the SLP-max has space for beam effects, like burst, Machida, Lumia and others. Also a FB-3 controller is available for this projector.



Equipped with OPSL diodes by:



## EXCELLENT VIPER



Equipped with OPSL diodes by:



The "NEW VIPER" by Coherent offers a TEM<sub>00</sub> beamprofile wich makes the laserbeam sharper and more brilliant than the Taipan-laserdiode. For long distance display applications this laser has the right brightness and beam quality. The Excellent-Viper-20 and Excellent-Viper-40 has a self contained cooling system and can easily be mounted just like our other laserprojectors from Lightline.

Available colours are: green, orange and blue.

## NOVA 400

Probably the most powerful showlaser in the world. This 400 watt system was designed for the biggest events. With a brilliant brightness it can compete with searchlights and fireworks. One light source can be equipped with 4 scanners for projecting beam shows and graphic displays.





## DRY-HIRE

If a company has not enough or the suitable laser equipment to perform a show, LIGHTLINE Lasertechnik e.K. offers dry-hire service. A large stock of Excellent SLP's, Excellent Tripans, Excellent 15's and Excellent 30's is available for our customers.



The Excellent-projectors are very small OPS-lasersources on the market. Together with a flightcase the weight is well optimized to keep the shipping costs as low as possible. A Excellent SLP, Excellent TRIPAN or Excellent 10 weight less than 32kg packed in stable flightcase. So for travelling by plane, just check-in and take a highpower-laser with you!



## SHOW SERVICE

There is nothing like a lasershow. This breathtaking effect can only be produced with a real laser. The show service of LIGHTLINE Lasertechnik e.K. offers lasershows all around the world for every imaginable event. Professional show designers and high quality equipment guarantee a perfect result of shows performed by LIGHTLINE.

## INDOOR SHOW

We create the perfect customized indoor lasershow with brilliant colours, nice beam effects and high-class laser graphics. Whether in small locations or at large stage setups, with LIGHTLINE Lasertechnik e.K. you choose an experienced partner.





## OUTDOOR SHOW

The right brightness and beam quality for large outdoor-shows can be achieved because we only use OPSL-technology for our shows. Laser setups with several hundreds of watts make open-air shows to a spectacular experience. LIGHTLINE Lasertechnik e.K. has the equipment. Just excellent!



## CORPORATE SHOW

Customized product-presentations are the most performed lasershows. LIGHTLINE Lasertechnik e.K. has a large library of concepts and animation content. Come and visit our demo studio and let us create your personal lasershow!







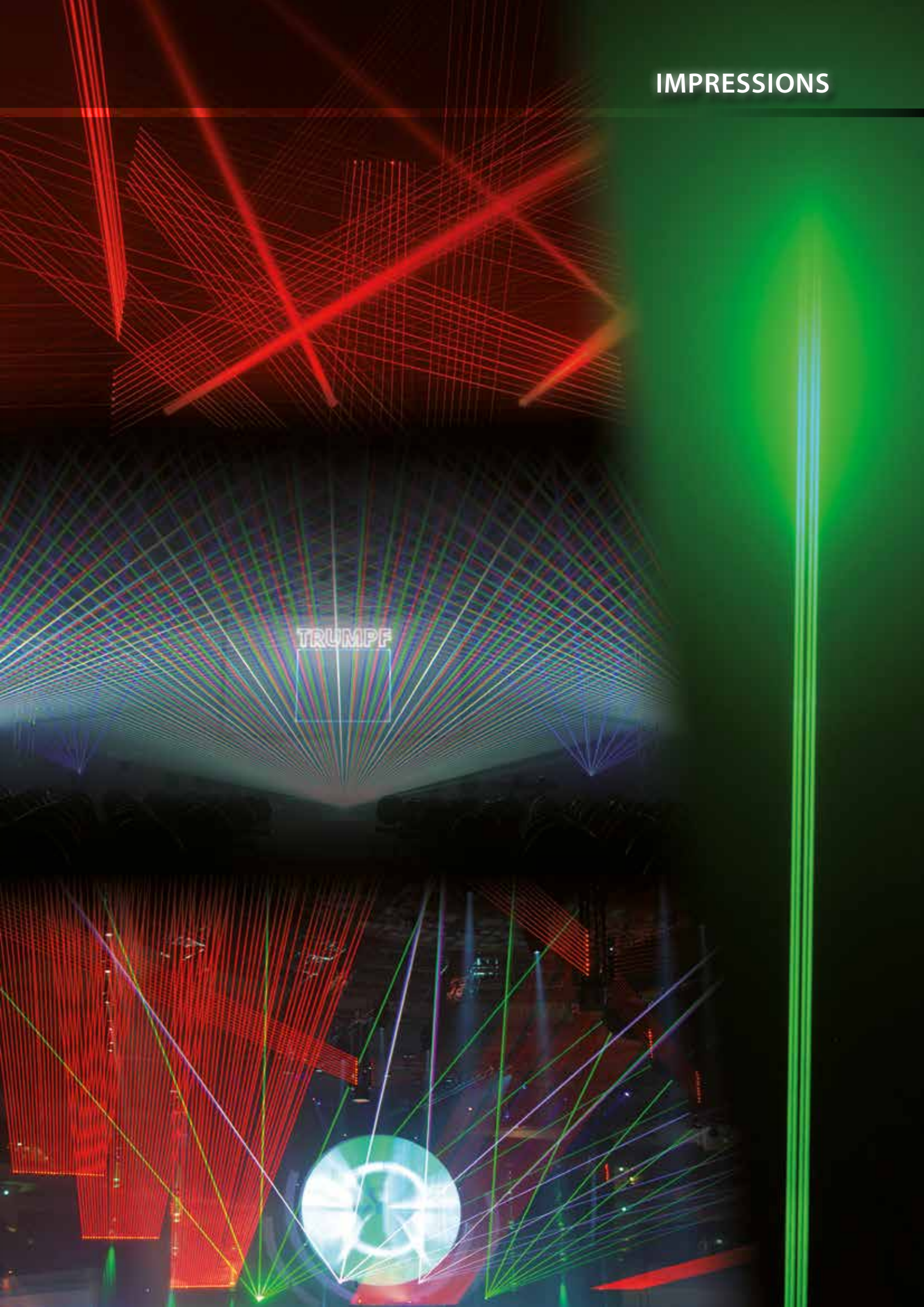
TRUMPF



IMPRESSIONS



# IMPRESSIONS







glas in Bewegung

WAV

Belina

IMPRESSIONS



We are specialized in manufacturing high power OPS-laser systems. We were the first company to introduce the OPSL-technology to the show market.

A wide range of colours and power levels gives our customers the opportunity to perform any lasershow with right brightness and colour brilliance.



The EXCELLENT laser projectors are very small and powerful OPSL entertainment systems.

For example the EXCELLENT TRIPAN is easy to carry and has a total weight of only 31 kg including flightcase. This saves a lot shipping costs and increases flexibility.

Excellent quality and a very good performance makes a laser show a breathtaking experience for the audience. Integrated controllers and external signal input from any light-console makes an Excellent easy to use.

Many shows, installations, theme parks and concerts around the world are equipped with lasers by LIGHTLINE.



As the only company worldwide we offer the probably most powerful showlaser. For large events and installations this laser offers a brightness which has probably never been seen before.

Together with the NOVA projector it can project images, logos and animations on mountains or any other surface.

A special safety system makes it easy to operate during every open air laser show.

# LIGHTLINE

## LASERTECHNIK



**LIGHTLINE Lasertechnik**

**Marco Stümpel e.K.**

Lengericher Landstraße 44

D - 49078 OSNABRÜCK

Germany

TEL. +49 (0) 541-685393-11

FAX +49 (0) 541-685393-15

[info@lightline.de](mailto:info@lightline.de) | [www.lightline.de](http://www.lightline.de)

**LIGHTLINE Lasertechnik**

**GmbH**

Lengericher Landstraße 44

D - 49078 OSNABRÜCK

Germany

TEL. +49 (0) 541-685393-0

FAX +49 (0) 541-685393-15

[info@lightline.de](mailto:info@lightline.de) | [www.lightline.de](http://www.lightline.de)

WEEE-Reg.-No.: DE89643050