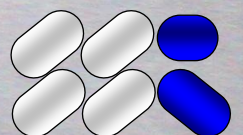
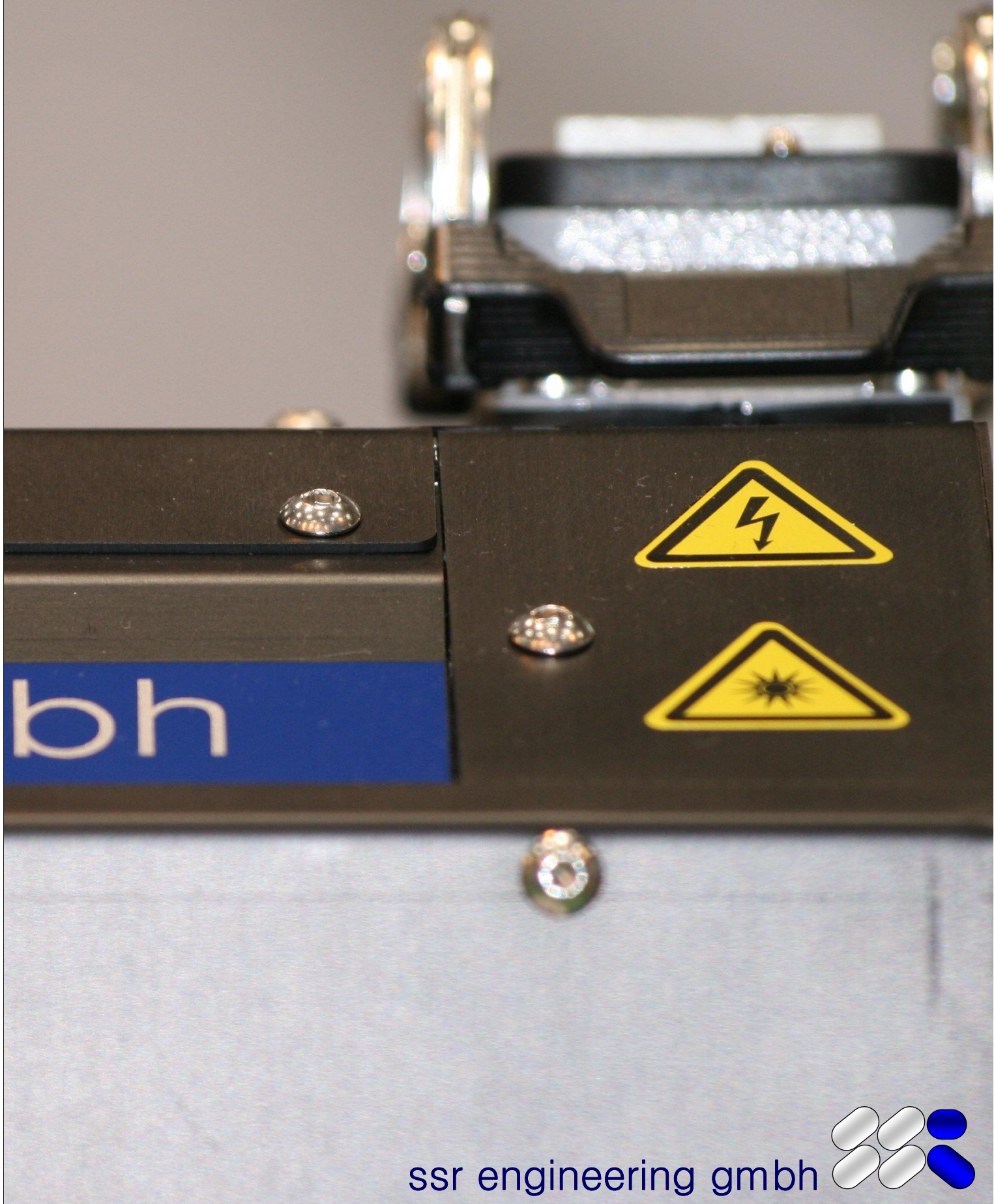


# UV curing system ssr evo VII





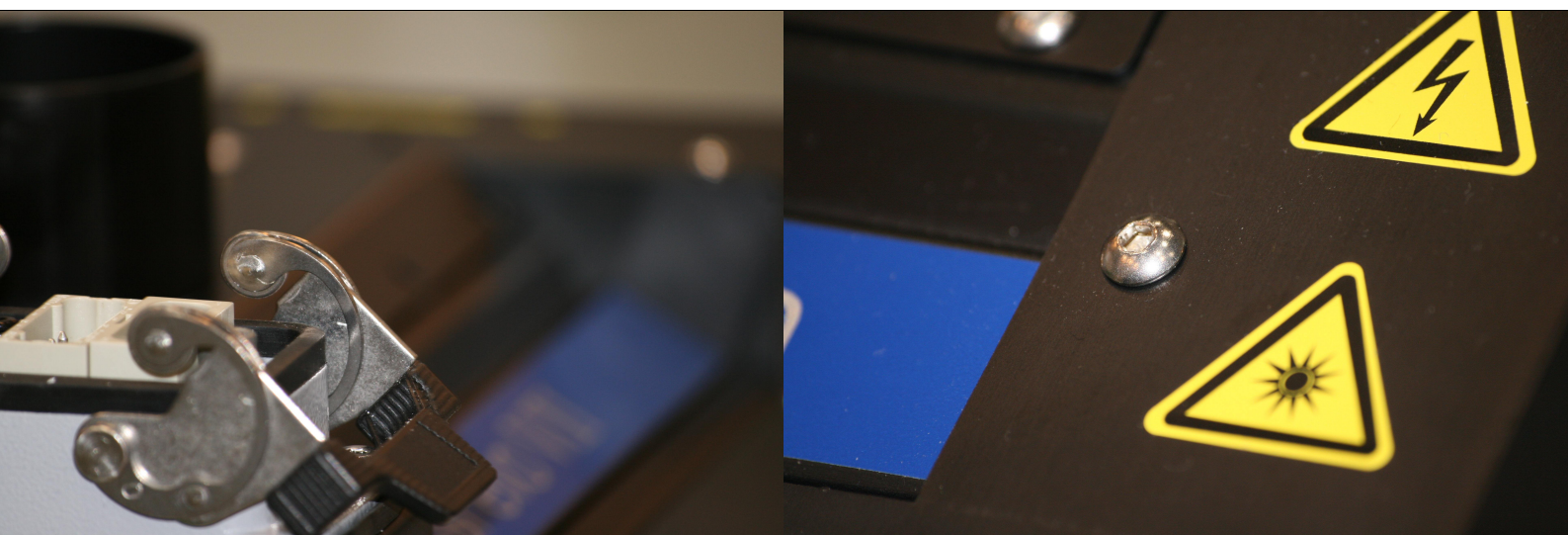
**ssr engineering** is one of the worldwide leading companies in innovative, high performance and reliable special UV systems. Due to our long years of experience, especially in high-tech applications, our UV systems meet all expectations in processing and quality.

ssr engineering **evo 7 – series** UV systems are designed for virtually all different kind of industrial applications.

## ssr evo VII – uv systems

The UV system **ssr evo VII** was specifically designed for the requirements of the optical storage media industry.

The consistent implementation of the compact design makes it **the** retro-fit- and OEM-system for all types of existing production facilities from CD- to the Blu-Ray-lines.



The use of different uv lamps ensures ideal process light properties for your requirements. Besides the ssr standard uv lamps, many different kind of special designed light sources are available on request.



Hg  
spectrum

ssr 150 Hg 270 OE 400 – 6 kW max  
ssr 150 Hg 200 OE 260 – 4 kW max

clear lacquer, thin film coatings and  
varnishes



D  
spectrum

ssr 150 D 270 OE 400 – 6 kW max  
ssr 150 D 200 OE 260 – 4 kW max

bonding processes, high pigmented  
systems and thick films



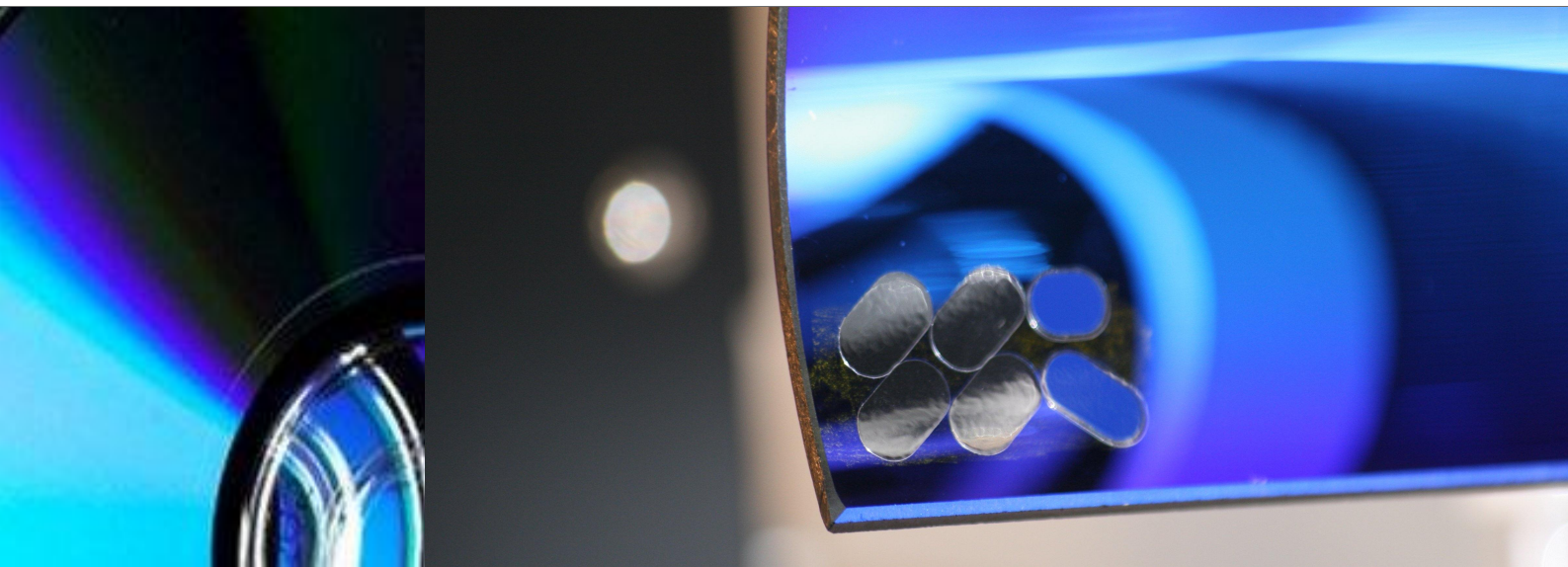
Ga  
spectrum

ssr 150 Ga 270 OE 400 – 6 kW max  
ssr 150 Ga 200 OE 260 – 4 kW max

thick lacquers, pigmented systems  
and special applications

The **Selective Lambda Technology** offers a very pure process radiation in the UV and UV-Vis spectral area and thus providing a curing process with minimal thermal stress. As a result, the effective UV dose can be increased up to **500%**.

An homogeneity of  $\pm 3\%$  within the exposure area allows static radiation processes with hitherto unknown precision. The evo VII is ideal for the production of high-quality HD formats such as **Blu-Ray** discs (BD).



## Special features:

All ssr evo VII uv systems provide best in class performance and unique special features.



**Pure UV**  
no IR radiation  
on the  
substrates



**Cool UV**  
ultra cool  
substrate  
temperatures



**Shutter**  
mechanical  
shutter system  
0.1 sec



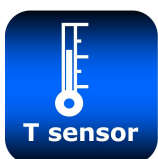
**Direct radiation**  
optional direct  
radiation (dr)  
version



**Static exposure**  
homogeneity of  
 $\pm 3\%$  for static  
exposure



**Speed**  
high UV output  
for fast curing  
process



**T sensor**  
internal  
temperature  
safety sensor



**Air sensor**  
internal cooling  
air safety sensor



**Lamp X**  
ssr quick lamp  
change concept



**Δ exhaust**  
air exhaust on  
top side



**BK – evo 7**  
BK 150  
compatible for  
retro-fitting



**400 spec. P**  
400 W/cm  
maximum peak  
power



## Technical data:

ssr evo VII		
radiation width	150	mm
exposure area	150 x 150	mm²
cooling concept	air & water combined	
electrical data		
electrical power	6000	W
specific electrical power	400	W/cm
power supply units		
BLP 59, 3~400 V, PE	6	kW
PSU 3 kW, 1~200 V, N, PE	3	kW
PSU 6 kW, 1 or 2~200 V, N, PE	6	kW
cooling air supply (exhaust)		
cooling air	100 – 130	m³/h
exhaust connection	Ø 60	mm
pressure drop cooling air	200 – 400	Pa
switching point safety switch	85	m³/h
cooling water supply		
cooling water	2 – 3	l/min
max. supply temperature	25	°C
pressure drop cooling water	approx. 1	bar
switching point safety switch	approx. 55	°C
retrofitting		
plug´n´play solution for replacing BK 150 uv-systems		
measure & weight		
measures [l x w x h]	325 x 200 x 160	mm
weight	7	kg
OEM systems		
uv system ssr evo VII black line	standard	BD
power supply unit	BLP	PSU
uv lamp	150 Hg 270 / 200	150 D 270
high tension cable 3 kV	3 m	6 m
combination plug evo VII	yes	yes

©

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