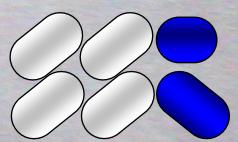


# UV curing system ssr evo 407 print



ssr engineering gmbh



**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 407 print – uv systems**

The UV system **ssr evo 407 print** was specifically designed for the requirements of the graphical industry. The evo 407 print is used for curing of clear and protective lacquers such as curing of screen printing and other inks. The consistent implementation of the compact design makes it the ideal UV system for integration in new and existing line equipment.



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 400 Hg 200 OE 400 – 8 kW max

clear lacquer, thin film coatings and varnishes



D  
spectrum

ssr 400 D 200 OE 400 – 8 kW max

bonding processes, high pigmented systems and thick films



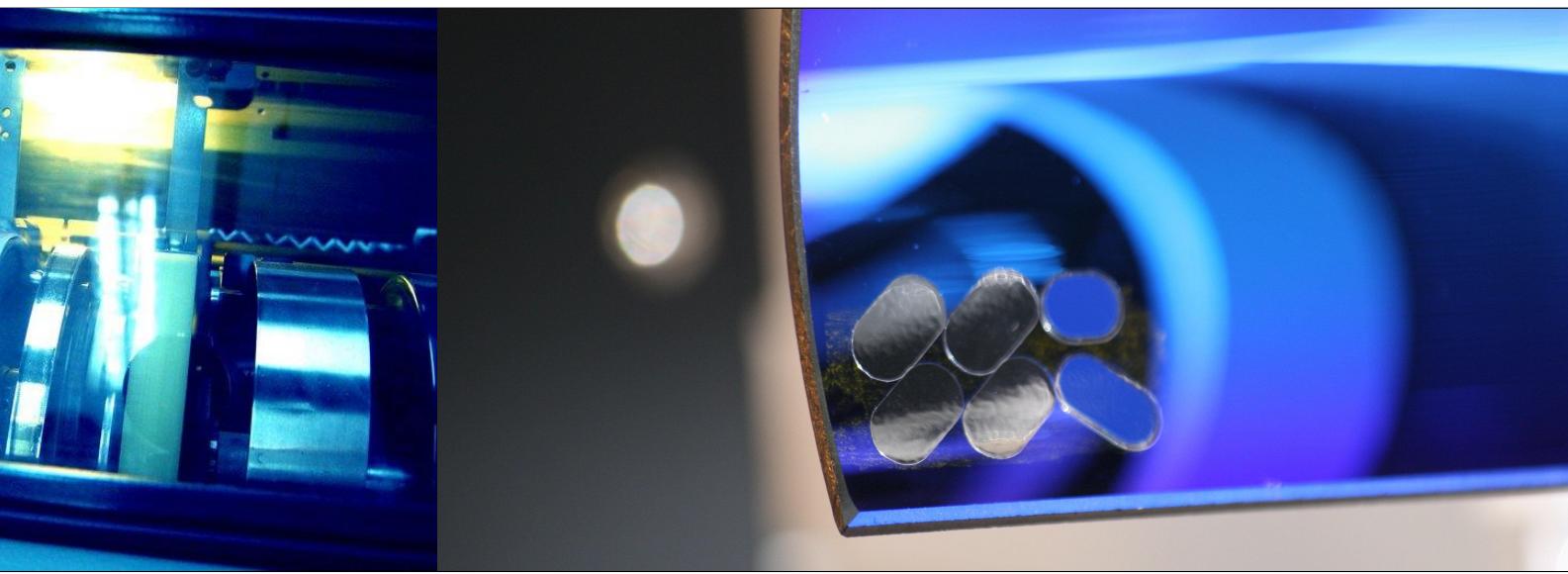
Ga  
spectrum

ssr 400 Ga 200 OE 400 – 8 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  $\pm 3\%$  in the exposure area allows static imaging processes with hitherto unknown precision. The evo 407 print is ideal for the production of high-quality and sensitive products.



### 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 almp  
change concept



$\Delta$  exhaust  
air exhaust on  
back side



BK - evo 7  
BK 400  
compatible for  
retro-fitting



200 spec. P  
200 W/cm  
maximum peak  
power

## Technical data:

ssr evo 407 print		
radiation width	400	mm
exposure area	400 x 150	mm <sup>2</sup>
cooling concept	air & water combined	
electrical data		
electrical power	8000	W
specific electrical power	200	W/cm
power supply units		
BLP 59, 3~400 V, PE	7,5	kW
SLP 80, 3~400V, N, PE	8	kW
cooling air supply (exhaust)		
exhaust option	print	
cooling air	150 – 200	m <sup>3</sup> /h
exhaust connection	Ø 60	mm
pressure drop cooling air	400 – 800	Pa
switching point safety switch	140	m <sup>3</sup> /h
cooling water supply		
cooling water	3 – 4	l/min
max. supply temperature	21	°C
pressure drop cooling water	approx. 1	bar
switching point safety switch	approx. 55	°C
Retrofitting		
plug'n'play solution for replacing BK 400 uv-systems		
measure & weight		
measures [l x w x h]	575 x 200 x 160	mm
weight	15	kg
OEM systems		
uv system ssr evo 207 black line	print	
power supply unit	BLP	SLP 80
uv lamp	400 Hg 200	400 D 200
high tension cable 3 kV	3 m	6 m
combination plug evo VII	yes	yes

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