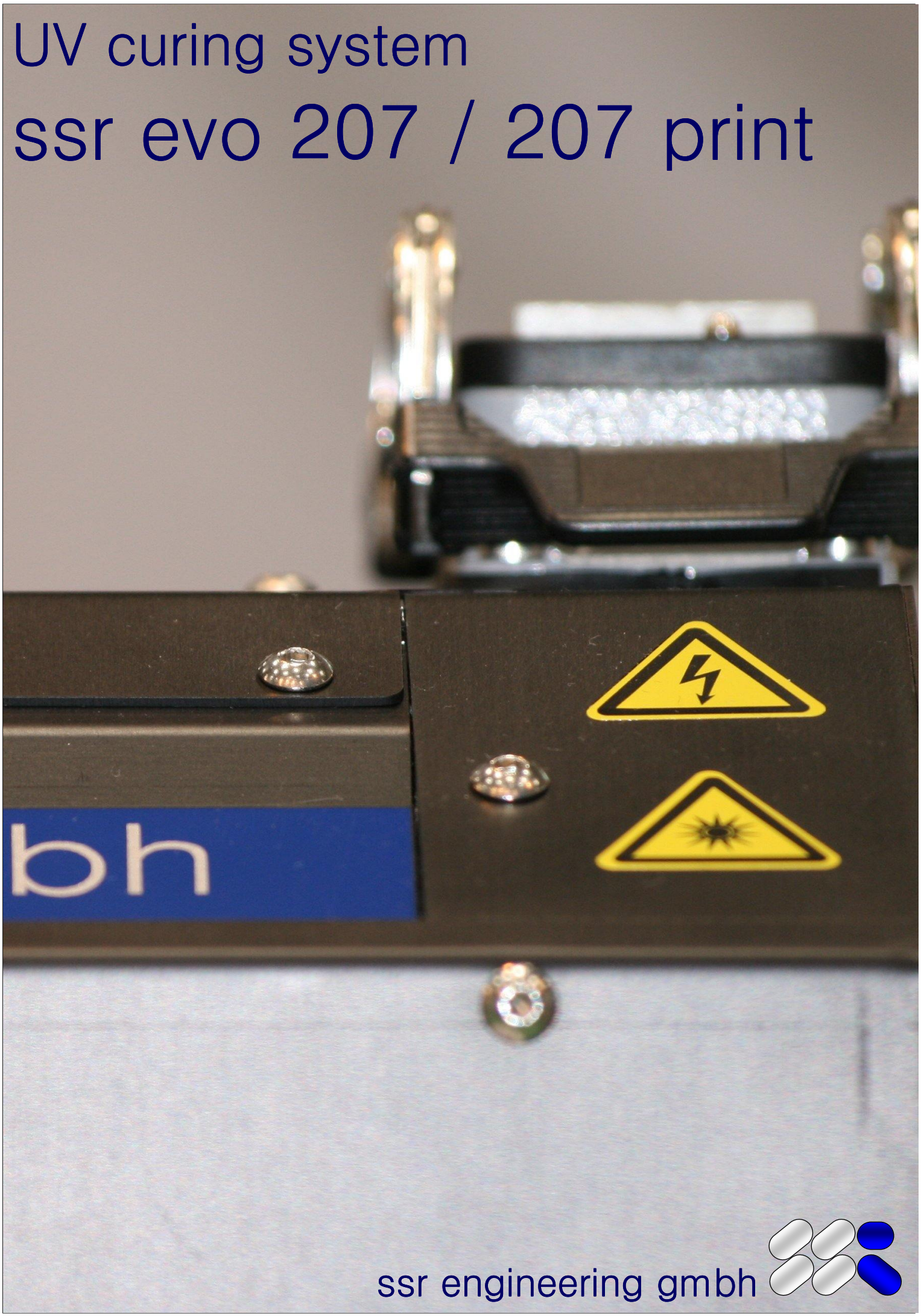
UV curing system

ssr evo 207 / 207 print



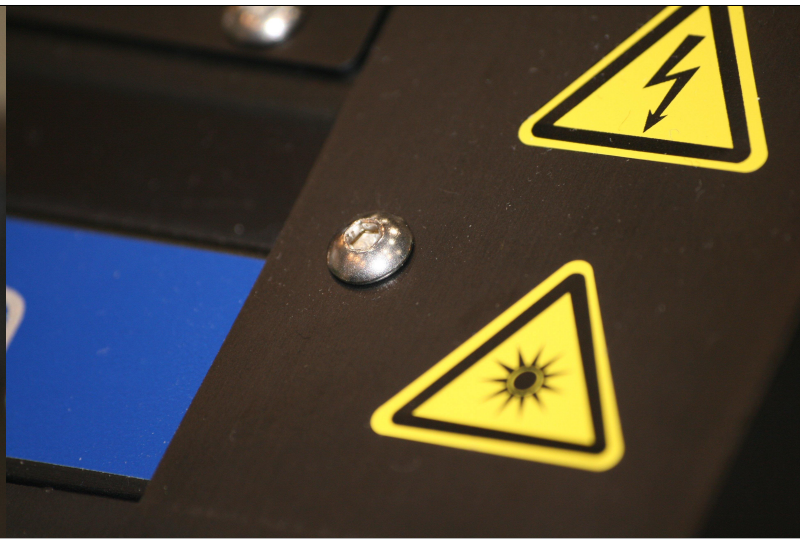
ssr engineering gmbh

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 proccessing and quality.

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

ssr evo 207 / 207 print – uv systems

The UV system ssr **evo 207** was specifically designed for the requirements of the plastic and electronic industry. The evo 207 is also available as "**evo 207 print**" version. 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 200 Hg 200 OE 400 – 6 kW max
ssr 200 Hg 200 OE 260 – 4 kW max

clear lacquer, thin film coatings and varnishes

D spectrum

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

bonding processes, high pigmented systems and thick films

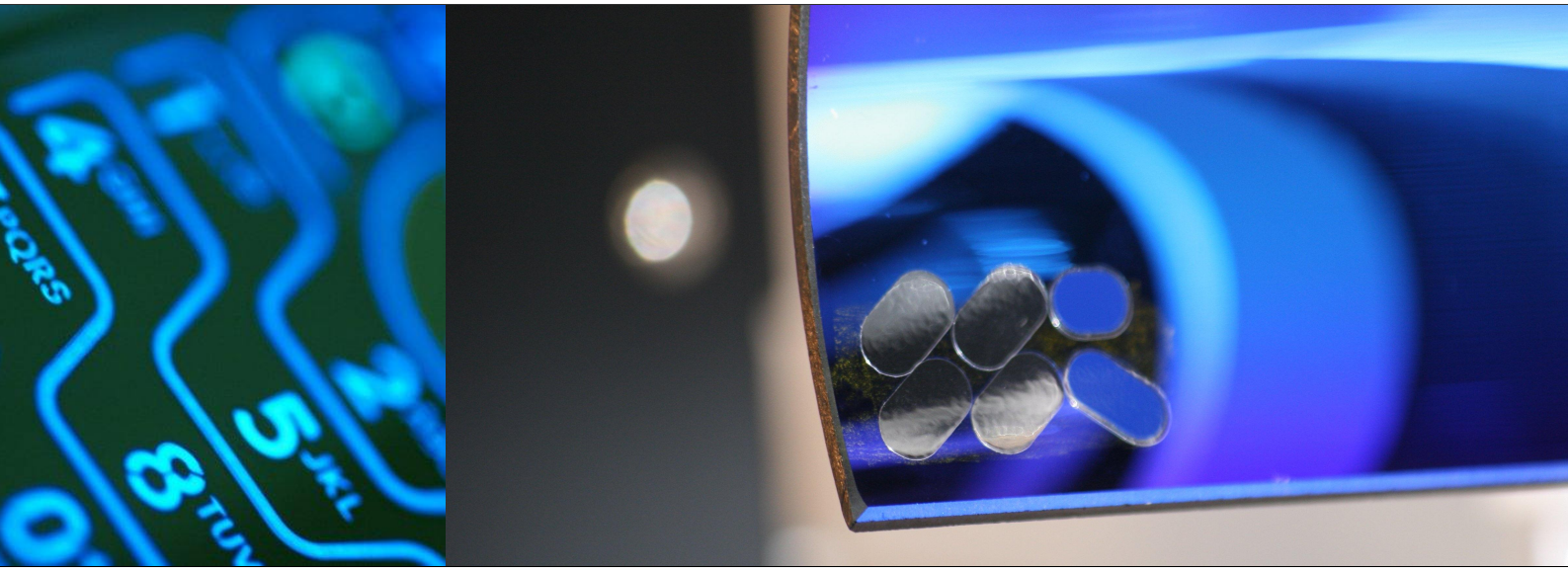
Ga spectrum

ssr 200 Ga 200 OE 400 – 6 kW max
ssr 200 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 **± 3%** in the exposure area allows static radiation processes with hitherto unknown precision. The evo 207 is ideal for the production of high-quality and sensitive products like IMD foils, scratch resist coatings and SMD components.



Special features:

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

Pure UV
no IR radiation on the substrates

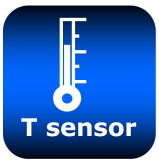
Cool UV
ultra cool substrate temperatures

Shutter
mechanical shutter system 0.1 sec

Direct radiation
optional direct radiation (dr) version

Static exposure
homogeinety of ±3 % for static exposure

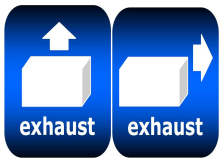
Speed
high UV output for fast curing process



T sensor
internal temperature safety sensor

Air sensor
internal cooling air safety sensor

Lamp X
ssr quick almp change concept



Δ exhaust
air exhaust on top or back side

BK – evo 7
BK 200 compatible for retro-fitting

300 spec. P
300 W/cm maximum peak power

Technical data:

ssr evo 207 / 207 print		
radiation width	200	mm
exposure area	200 x 150	mm²
cooling concept	air & water combined	
electrical data		
electrical power	6000	W
specific electrical power	300	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	95	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 200 uv-systems		
measure & weight		
measures [l x w x h]	375 x 200 x 160	mm
weight	9	kg
OEM systems		
uv system ssr evo 207 black line	standard	print
power supply unit	BLP	PSU
uv lamp	200 Hg 200	200 D 200
high tension cable 3 kV	3 m	6 m
combination plug evo VII	yes	yes

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