

COPRA Plasma Technology

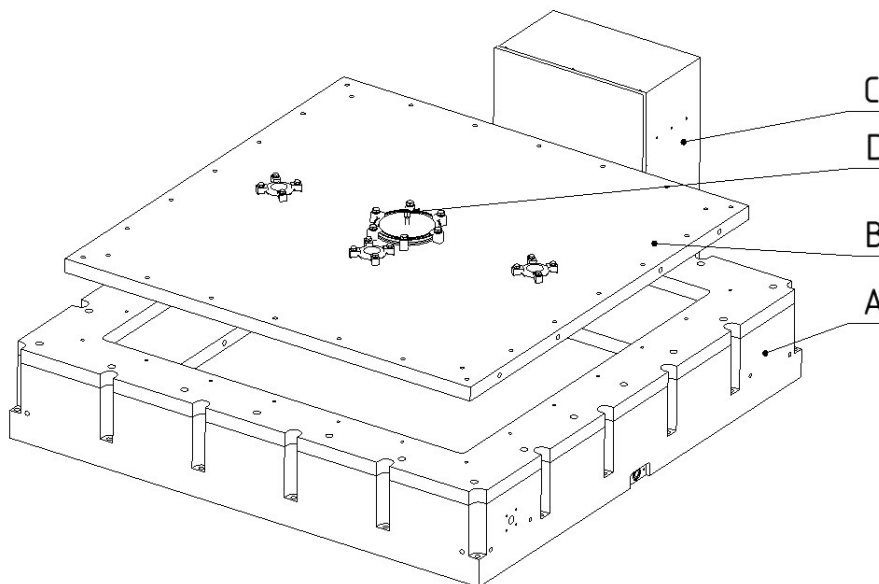
COPRA RS-Sources

Plasma Beam Sources for direct PECVD

COPRA RS-Sources

COPRA RS/Tech. Specs

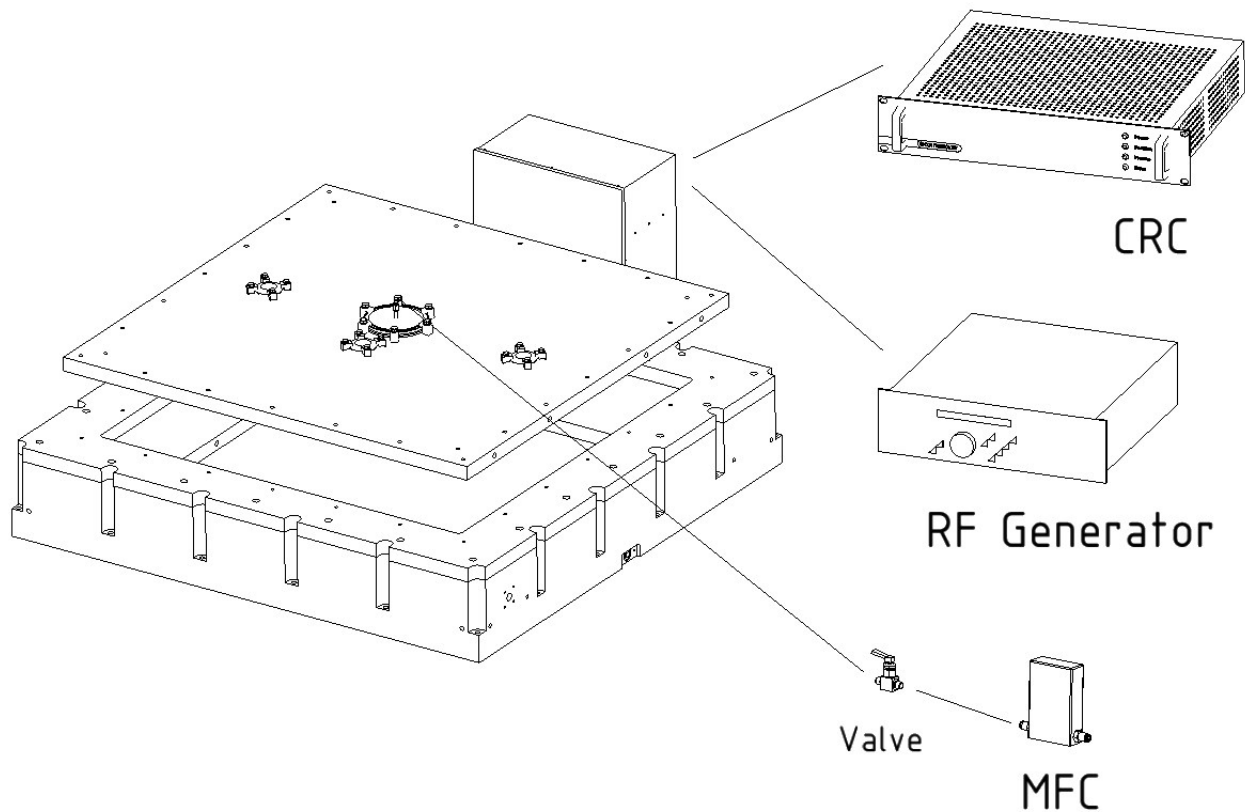
Technical Data	COPRA RS-Series
Excitation Frequency	13,56 MHz
Match	Remote Control via CRC
RF-Power	5.000 to 15.000 W
RF-Connection	7/16 or LC
CRC-Connection	Round pin plug, 15 pin
Water Connection	Serto 6 or 8 mm
Water Flow	> 2l/min
Operation Gas Pressure	$1 \times 5 \cdot 10^{-4}$ to 5×10^{-3} mbar
Gas Connection	VCR , Serto, Swagelok



A	Al. Body - size can be customized
B	optional Al. Top-plate
C	COPRA Standard-Matchbox
D	Process Gas inlet (optional in Top-plate)

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Installation Drawing



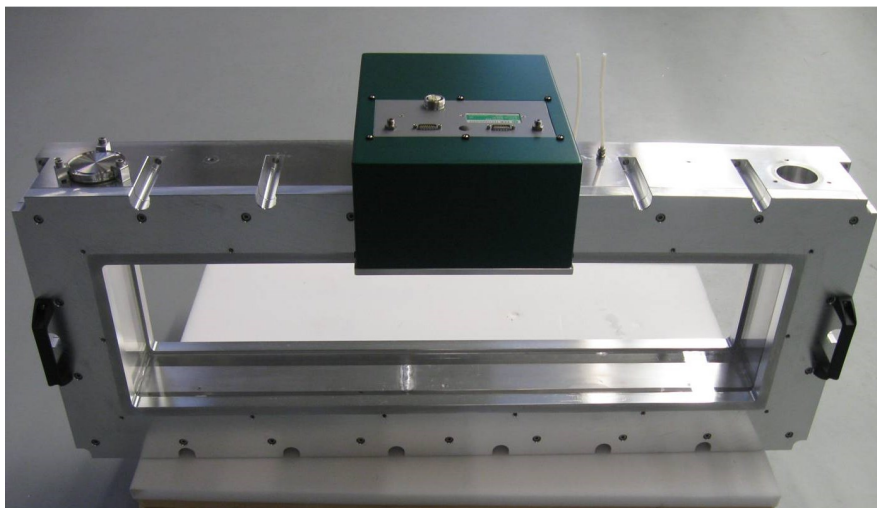
Main Features



3 COPRA 1000x300 in row to coat Large Area PECVD

- Long Term Process stability
- Easy to handle
- Quasi Maintenance free
- Large Area PECVD
- Scalable to customers needs
- Low operating costs
- Integrated Matchbox
- Low contamination level
- High Amount of O+
- Current Control independent from Energy
- Simple to mount
- Selective activation of surface

COPRA RS-Sources



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The COPRA technology is patent protected!

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