










Overview Plasma Jets

Plasma Jet / Type	PFW10	PFW20	RD1004	RD2004	RD2005	RD1010
						
System	Single Jet	Single Jet	Single Jet, rotating jet front	Single Jet, rotating jet front	Rotating unit with two Plasma Jets	Rotating unit with two Plasma Jets
Treatment width	Re substance and distance 4 to 20 mm	Re substance and distance 4 to 15 mm	Re substance and distance up to 50 mm	Re substance and distance up to 50 mm	Re substance and distance up to 50 mm	Re substance and distance up to 100 mm
Relativ speed to Surface	Up to 900 m/min	Up to 600 m/min	Approx. 22 m/min with a treatment width of 40 mm	Approx. 22 m/min with a treatment width of 40 mm	Up to 35 m/min	Up to 30 m/min opt. up to 50 m/min
Effective Treatment Distance between Jet Front and Substrate	Between 5 and 25 mm	Between 5 and 15 mm	Between 4 and 15 mm	Between 4 and 15 mm	Between 5 and 20 mm	Between 5 and 20 mm
Weight	<1 kg	0,6 kg	4,2 kg	1,6 kg	4,9 kg	Without contact voltage proofing: 22 kg, with 38 kg
Working gas (oil and water free compressed air)	Approx. 2.000 NI/h	Approx. 2.000 NI/h	Approx. 2.500 NI/h	Approx. 2.500 NI/h	Approx. 4.000 NI/h	Approx. 4.000 NI/h
Working frequency	19 – 23 kHz	19 – 23 kHz	19 – 23 kHz	19 – 23 kHz	19 – 23 kHz	19 – 23 kHz
Electrode voltage	3 – 5 kV	3 – 5 kV	3 – 5 kV	3 – 5 kV	3 – 5 kV	3 – 5 kV
Optional	Connection of the supply cables in 90° angle (Version R)	Connection of the supply cables in 90° angle (Version R)	Connection of the supply cables in 90° angle (Version R)	Connection of the supply cables in 90° angle (Version R), Plasma jet upgrade for handhold use	Free operating jets for inline-systems integration	Version with adjustable treatment width RD10xx

Generators Series FG5000

Generator Series	FG5001	FG5002 / FG5005	FG5002S / FG5005S
			
System	Serial double resonance principle, Short-circuit-proof	Serial double resonance principle, Short-circuit-proof	Serial double resonance principle, Short-circuit-proof
Input Voltage	wild range voltage 100 – 260 V, 50 – 60 Hz (+/-5%)	Wide range voltage 360 – 510 V, 50-60Hz (+/-5%)	Wide range voltage 360 – 510 V, 50-60Hz (+/-5%)
Total Output	1kVA	FG5002: 2 kVA; FG5005: 5 kVA	FG5002S: 2 kVA; FG5005S: 5 kVA
Output Voltage	max. 1,000 Vss	ca. 1,000 Vss	ca. 1,000 Vss
Temperature range	0°C to + 40°C	0°C to + 40°C	0°C to + 40°C
Casing dimensions (WxDxH)	590 x 530 x 250 mm side or optional front side operation	600 (+100 mm E – version (optional)) x 1450 (+optional 145 mm rolls) x 540 mm	600 (+100 mm E – version (optional)) x 1450 (+optional 145 mm rolls) x 540 mm
Weight	ca. 26 kg	FG5002: 141 kg FG5005: 145,5 kg	FG5002S: ca. 142,5 kg FG5005S: ca. 147 kg
Color	RAL Design white	RAL Design white	RAL Design white
Connectable Plasma Jets	2 pieces PFW10; PFW20 or 2 pieces RD1004; RD2004 (with Extensionbox) or 1 piece RD1010 1 piece RD2005	FG5002: 4 pieces PFW10; PFW20, RD1004, RD2004 or 2 pieces RD1010; RD2005 FG5005: 8 pieces PFW10; PFW20, RD1004, RD2004 or 4 pieces RD1010; RD2005	FG5002S: 4 pieces PFW10; PFW20, RD1004, RD2004 or 2 pieces RD1010; RD2005 FG5005S: 8 pieces PFW10; PFW20, RD1004, RD2004 or 4 pieces RD1010; RD2005
Display	Plastic foil keyboard, optional mounted on front side	Plastic foil keyboard	Touch-screen panel
Process control function (partially optional)	Input air pressure Light conductor control Rotation control	Input air pressure Light conductor control Rotation control	Voltage, Power, Air pressure at the jet, Light conductor control, Rotation control, extensive process diagnostic incl. histogram