

MonoJet-Light, Light-Turbo

Apparatus for surface treatment by Atmospheric Pressure Plasma



1. General Description

The MonoJet-Light is equipment designed to treat surfaces by Atmospheric Pressure Plasma. The equipment uses a plasma jet technology, which could be enriched, if necessary, with specific gaseous substances. The plasma jet plays a role of energy transmitter from energy source to substances added to the plasma and, at the same time, of transport mean to deliver these substances to the surface to be treated.

2. Technical data

Power in plasma	<i>Light</i>	300 W
	<i>Light-Turbo</i>	400W
Working mode		continuous
or pulse with length from		200 ms
Plasma creating gas		air, nitrogen*
Gas flow rate, variable		2 to 15 l/minute
Width of treated band of moving surface	<i>Light</i>	3 to 12 mm
	<i>Light-Turbo</i>	3 to 18 mm
Diameter of treated spot of static surface	<i>Light</i>	up to 12 mm
	<i>Light-Turbo</i>	up to 18 mm
Connection plasma generator – control unit by cable of		3 meters
Cooling		air or (water optional)
Cooling substance flow rate		air 20L/min; water 1 L/min
Dimensions of control unit, W x H x D (mm)		340 x 135 x 360
Plasma generating unit, W x H x L (mm)	<i>Light</i>	100 x 64 x 34
	<i>Light-Turbo</i>	130 x 80 x 53
Weight of power supply / control unit		10 kg
Weight of plasma generator	<i>Light</i>	0.6 kg
	<i>Light-Turbo</i>	1.5 kg

*) MonoJet-Light accepts also usage of mixtures of different gases like fluorine with neutral gases as well as with vapors of metal-organic substances and others. For more information please contact our engineering department.