

# MonoJet, MonoJet-Turbo

## Apparatus for surface treatment by Atmospheric Pressure Plasma



### 1. General Description

The MonoJet is equipment designed to treat surfaces by Atmospheric Pressure Plasma, which could be enriched, if necessary, with specific gaseous substances. The MonoJet uses a plasma jet technology, where 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, variable	<i>MonoJet</i>	200 to 2000 W
	<i>MonoJet-Turbo</i>	500 to 3200 W
Working mode		continuous
or pulse with length from		200 ms
Remote control of MonoJet		yes
Plasma creating gas		air, nitrogen**
Gas flow rate, variable		3 to 50 l/minute
Width of treated band of moving surface		3 to 30 mm
Diameter of treated spot of static surface		up to 30 mm
Flexible connection plasma generator to power supply/control unit by cable of (OD=19mm)		up to 15 meters
Primary circuit	<i>MonoJet</i>	230V/50Hz/≤ 2.3 kW
	<i>MonoJet-Turbo</i>	230V/50Hz/≤ 3.5 kW
Cooling mean		water
Cooling water flow rate		min 2.5 L/min at 4 bars
Dimensions of control cabinet, W x H x D (mm)	<i>MonoJet</i>	19'' x 210 x 300
	<i>MonoJet-Turbo</i>	19'' x 210 x 500
Plasma generating unit, W x H x D (mm)		130 x 80 x 53
Weight:		
power supply / control unit	<i>MonoJet</i>	21 kg
	<i>MonoJet-Turbo</i>	28 kg
plasma generator		1.5 kg

\*) Advanced Machines reserves a right to change technical data without previous notification.

\*\*\*) MonoJet accepts also usage of other gases and/or their mixtures. For more information please contact our engineering department.