

Arcojet® PG 051 Plasma Device



Application:

The Arcojet® PG 051 device is used for the pre-treatment of smaller plastic parts, especially plastic profiles in extrusion lines, injection moulded parts, cups and tubes before they are glued and printed. A maximum treatment speed of approx. 15m/min. can be achieved. The device can also be operated clocked or manually.

The Arcojet is equipped with a freely radiating electrode which does not require an earthed counter-electrode. The generator generates a high-voltage spark discharge which is transferred from the electrode to the surface which is to be treated by means of an air current. The resulting plasma activates plastic surfaces so that printing ink, paints, adhesives, etc. can be anchored to it.

Design:

The device comprises the semi-conductor generator with integrated transformer for a generation of high-voltage and the electrode head for the spark discharge. This is connected to the generator by a hose for the fan air and another for the high-voltage cable. The electronics are of a modular design and the individual modules are of a plug-in design.

The connections for the signal inputs and outputs are on connectors (industrial standard) so that they can be controlled via an overriding system.

Technical Data:

Line supply:	230 V, 50-60 Hz, 460 VA
Treatment width:	approx. 55mm
Standard hose length:	1.8m, optional 3.0m
Generator dimensions (W x D x H):	470 x 530 x 210 mm
Weight:	15kg