

Corona Laboratory Device CG 061



Application:

The laboratory device can treat one side of electrically conductive foils or plates of any wall thickness and non-conductive foils (polymer materials) and plates up to a wall thickness of around 2mm. Hand roll electrodes with various web widths are available for the pre-treatment. The material which is to be treated is placed on the earthed base plate before being rolled over with the hand roll electrode. The discharge takes place between both of the electrodes on the surface of the material. Moulded parts can also be treated after the hand roll electrode has been replaced with a rigid electrode which can be blank or insulated.

Design:

The device comprises a semi-conductor generator with an integrated transformer for high-voltage generation, the hand roll electrode (standard working width 200mm), the earthed ground plate (standard dimension 400 x 400mm), power cable and a hand or foot-operated switch for the activation of the Corona discharge. The output (intensity of the Corona discharge) can be adjusted at a potentiometer and read off a display. The hand roll electrode is fitted with an ozone suction connection which can also be used to feed the process gas.

Technical Data:

Line supply:	230 V, 50/60 Hz, 1000 VA
Treatment width:	200mm or 300mm or 400mm
Standard hose length:	1.0 m
Generator dimensions (W x D x H):	470 x 530 x 210 mm
Weight:	23kg