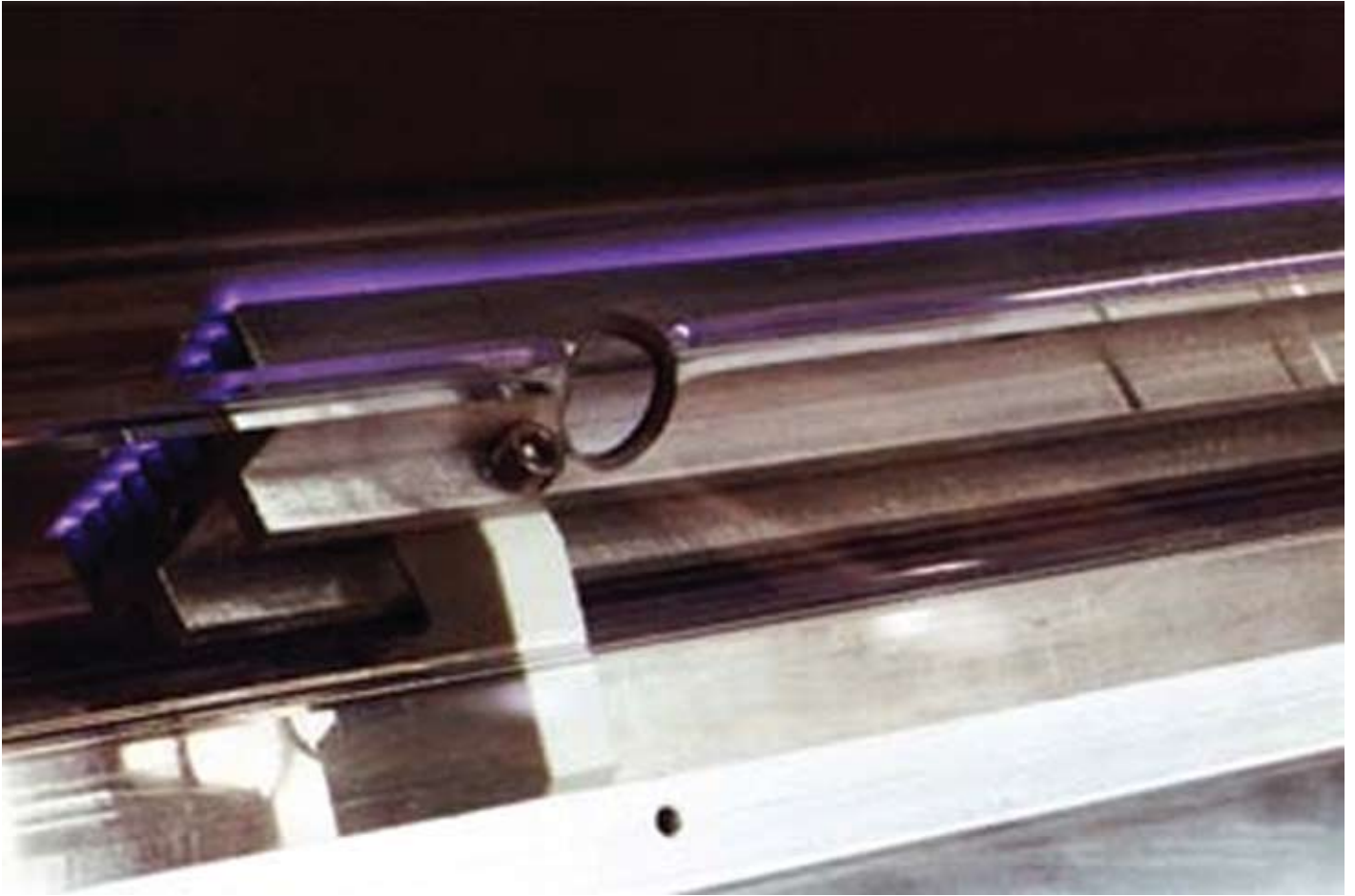




Corona Supplies Ltd
for all your corona needs



Corona Treatment

Corona Supplies is the only UK manufacturer of corona treaters. From our factory in Thame (Oxfordshire), UK, we manufacture corona treaters for the flexible packaging industry.

We understand that in today's world of higher production speeds, greater efficiency and a reduction in downtime is of paramount importance. This is why customers expect a product that is reliable, highly effective and easy to use for the operatives. At Corona Supplies we

manufacture corona systems are just that, reliable, effective, of excellent quality and performance.

All our personnel are from Sherman Treaters and we have more than 30 years experience within the corona treatment industry. We currently export to more than 70 countries and have local representation in many countries, as well as local technical service. We are therefore well positioned to satisfy the needs of our customers around the world.



Quality - Reliability - Performance - Value - Excellence

Corona treaters for extrusion

Covered roll treaters with silicone sleeve, vulcanised silicone or ceramic coating available to treat one, two or either sides.

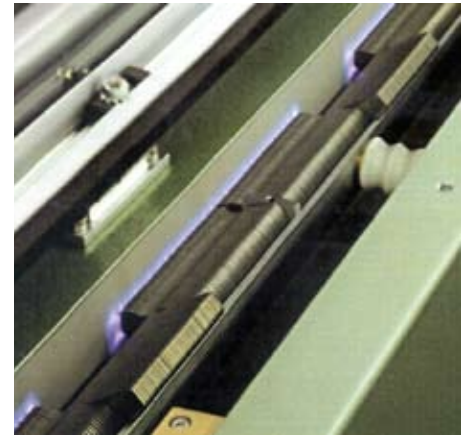
Our treaters are designed and manufactured specifically to your application and needs, and is not just a standard product as supplied by many other manufacturers. A made to measure corona treater to fit individual needs for individual customers, no matter the application.

Blown Film Extrusion

Treaters normally treating two exterior sides for speeds up to 200m/min. Four sided treaters are also available on request. Deluxe blown film treater shown below.

Cast Film Extrusion

Various designs available depending on customer requirements for speeds up to 500m/min. Both segmented and multifin electrodes available.



Advantages of deluxe blown film treater.

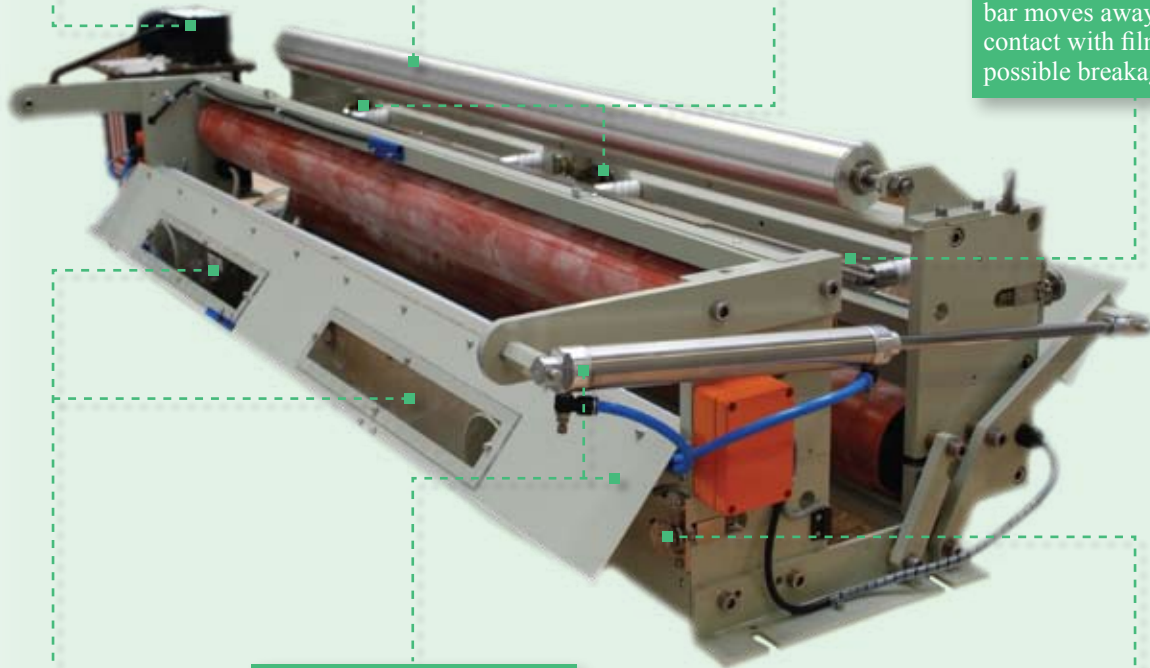
Treater manufactured from aluminium and stainless steel for better ozone corrosion resistance and therefore longer lasting.

High tension transformer mounted on treater to minimise energy losses.

Path roll at entrance (or exit) of treater for better web threading.

Long lasting and effective **ceramic insulators** (not PTFE), therefore reducing the risk of short circuits.

Aluminium, stainless steel or titanium segmented electrodes with the **smallest width in the industry**, allowing for better strip treatment adjustment. Spring loaded electrode bar moves away in case of contact with film, reducing possible breakages.



Treatment viewing windows to confirm uniformity of corona is applied to the material.

Treater opens pneumatically and also has **hinged covers** for easy access to the electrodes. This allows quick and easy treatment width changes and facilitates maintenance.

Calibrated (in mm) air gap adjusters across treater to guarantee uniform treatment across web.

Treaters for converters

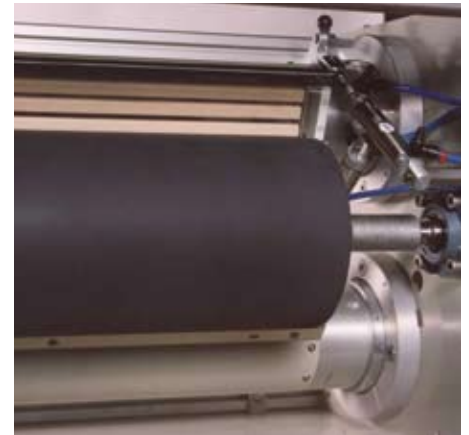
Used in printing presses and in laminators, our corona treaters use ceramic electrodes to allow treatment of both conductive and non conductive materials. Corona Supplies treaters are based on Sherman quality and design, taking into consideration ease of use, maintenance, optimum dissipation of power, safety as well as optimal electrode cooling. We manufacture made to measure systems, single or double sided and these are available to treat at speeds up to **600m/min.**

We offer standard aluminium bare roll as well as conductive aluminium titanium

ceramic coating, which is especially useful when treating many different widths. To guarantee no backside treatment we offer EPDM nip rolls, motorisation of base rolls as well as pressurised units for hazardous environments.

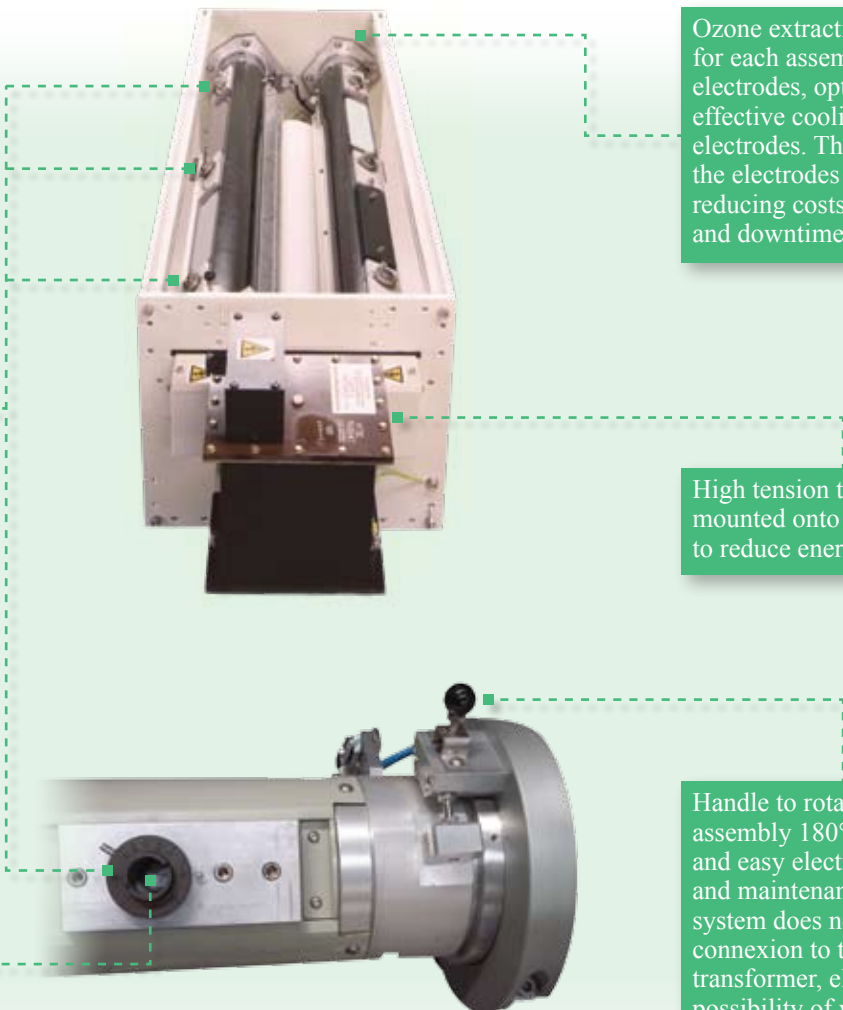
Our systems are designed to be highly efficient, low in maintenance and with maximum convenience for the operator. They are designed to be used 24 hours a day, 7 days a week.

Shown below is our standard 6 ceramic electrode system.



Advantages of ceramic electrode model for converters.

Our system is multi positional and very easy to install.



Calibrated air gap adjusters (from 0mm to 3,75mm adjustable every 0,25mm). Corona Supplies offers these air gap adjusters every 500mm across the treat width as standard, thereby achieving uniform treatment across the web width.

Ozone extraction port for each assembly of 3 electrodes, optimised for effective cooling of the electrodes. This means the electrodes last longer, reducing costs in spare parts and downtime.

High tension transformer mounted onto treater station to reduce energy losses.

Handle to rotate electrode assembly 180° for quick and easy electrode cleaning and maintenance. This system does not break the connexion to the HT transformer, eliminating the possibility of wear and tear. Quick operation taking only a few minutes.

Screw allowing whole assembly to be dismantled for electrode change or further maintenance, a two minute operation. It also allows you to have whole 3 electrode cartridge as a spare, further reducing downtime.

Narrow web

Compact corona treatment systems for all standard treat widths 250mm (10"), 330mm (13") and 410mm (16") or up to 760mm (30").

Able to treat conductive and non conductive materials.
'Set and forget' air gap adjustment for trouble free operation.

Designed to fit all major press manufacturers printing presses.
Very easy to install, and can be **installed in any orientation**.



Power generators

Power generators available from 0,5kW to 20kW with IGBT technology. Variable frequency generators for better load matching of generator to treater station. Very efficient with reduced energy costs in use. Real output power on the generators, complete with digital meters to achieve consistent and repeatable results.



Dyne Pens and Inks

Corona Supplies supply dyne pens and inks to measure surface tension of different substrates. Our inks and jumbo pens are available as follows: 31-59 Dyne/cm – all dyne levels and 59-71 Dyne/cm – odd number dyne levels only.

Disposable non-toxic pens are available in 38, 40 and 42 dyne/cm.



Spare Parts & Silicone Sleeve

Corona Supplies is the only company with the personnel, experience and knowledge to offer technical assistance for Sherman Treater products. We are committed to support Corona Supplies and Sherman Treater's products with original UK spare parts for both generator and treater stations. We also supply silicone sleeve for rolls of varying diameters.

We have technical assistance available in Europe, Asia and the Americas.



Contact our sales department for further information or a quote at sales@coronasupplies.co.uk

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