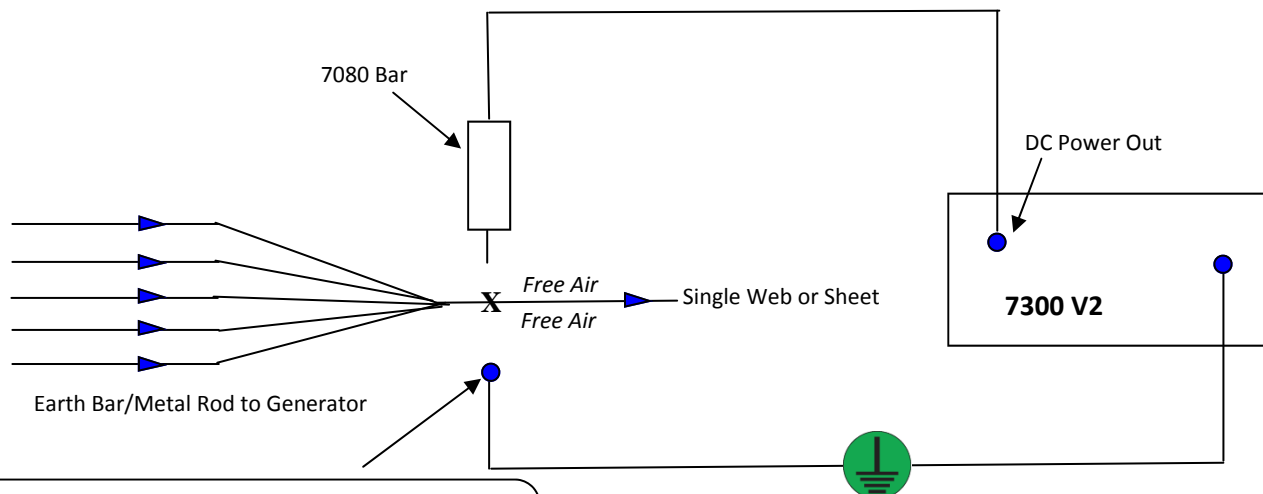


DC Generator Bars Model 7080 can be used to adhere (pin) two or more webs together, expelling trapped air and producing a long lasting bond that allows easier processing further down line. The materials can be the same but are often different - say paper and plastic film.

In most cases using a single polarity generator bar and a proximity earth is enough to produce the desired effect.

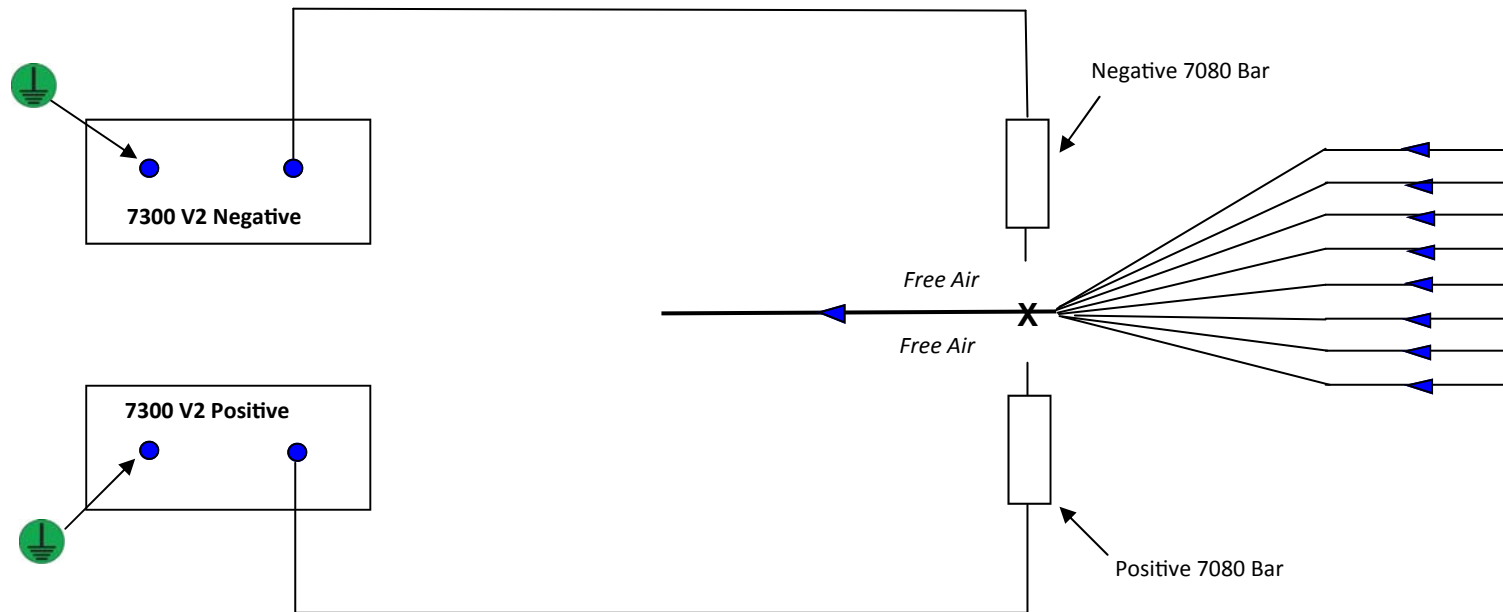
Choosing the desired polarity of the generator is influenced by the position of the material on the triboelectric scale - most plastics are negative and paper is positive. If pinning materials from both sides then you can select either polarity generator.



The earth bar/metal rod assumes the opposite polarity to that of the 7080 Generator Bar. If the Bar is negative (-) the earth bar/metal rod will become positive (+) and vice versa.

X = the position where multiple webs or sheets are pinned to form a bonded single sheet or web.

Where multiple webs (more than two) or thicker materials require bonding the use of one a single powered bar and proximity earth may not be powerful enough -- however replacing the earth bar with a powered generator bar of the opposite polarity to that of the original bar can double the power and the pinning capacity.



X = the position where multiple webs or sheets are pinned to form a bonded single sheet or web.