3. Principles to Plasma Surface Activation Treatment 3.3 Plasma energy for activation process (1/3)

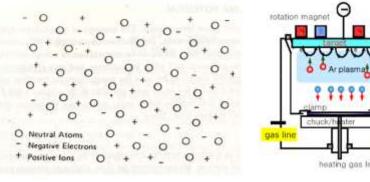
PLASMA ? : Non Conductive Neutral Gas **>** Conductive Charged Particles

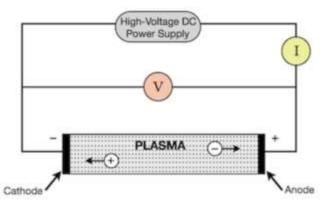
Plasmas

- a partially ionized gas consisting of equal numbers of positive (ions) and negative (electrons) charges, and a different number of un-ionized neutral molecules
 - : 1) continuous creation of ion-electron pairs by ionization
 - 2) continuous destruction by recombination



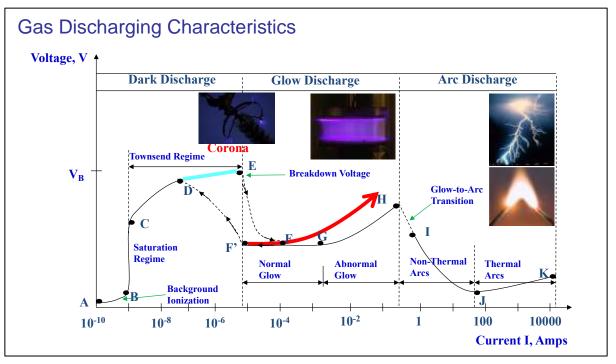
4) photon emission by the processes of excitation and relaxation





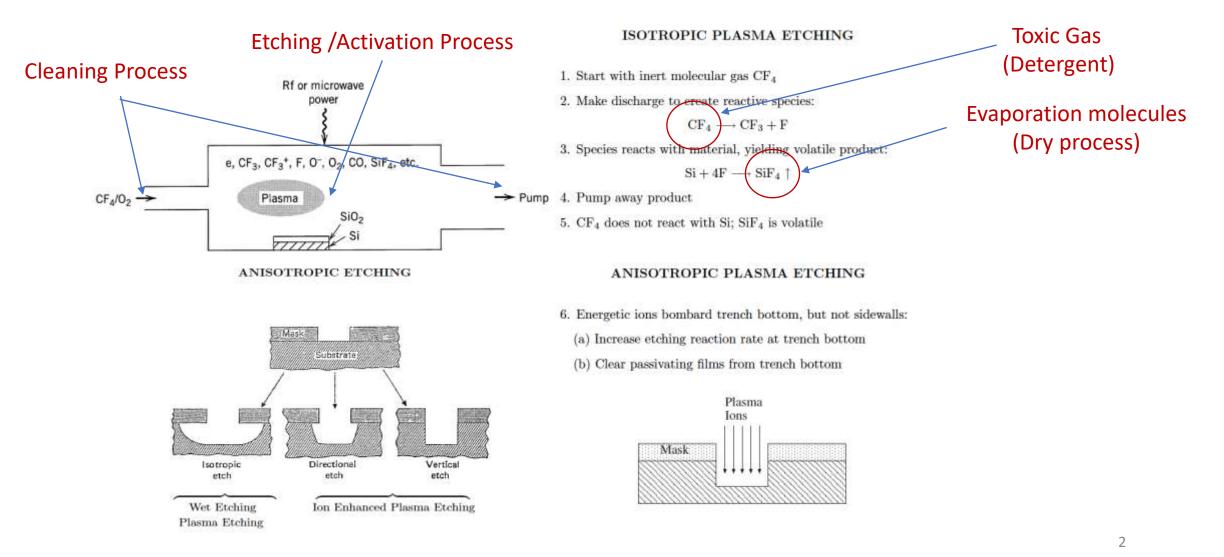
60kV Plasma Accelerator 연구 결과

자료유형	학위논문
서명/저자사항	High voltage plasma diode electron beam accelerator and application to t
	ool steel heat treatment / Eun Goo Kang
개인저자	Kang, Eun-goo



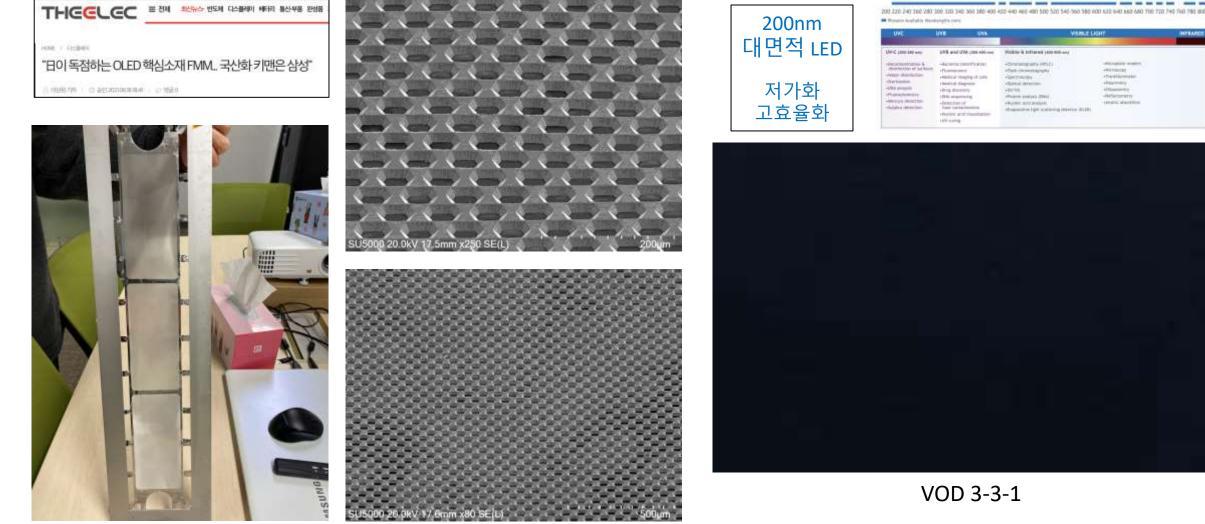
3.3 Plasma energy for activation process (2/3)

Plasma activation(or etching) Process with Toxic Gas



3.3 Plasma energy for activation process (3/3)

PLASMA FMM ETCHING (without CF4 Gas) 기술



PLASMA DUV 광원(4인치) 발광 기술