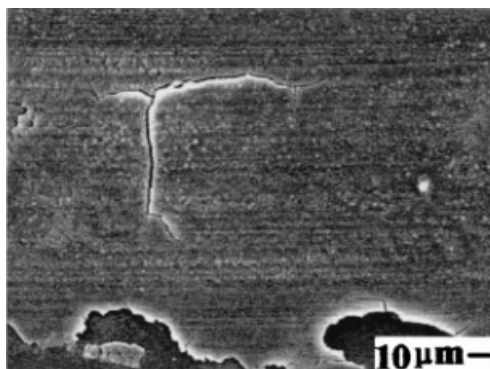


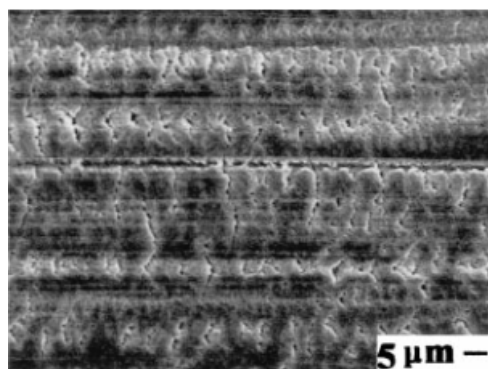
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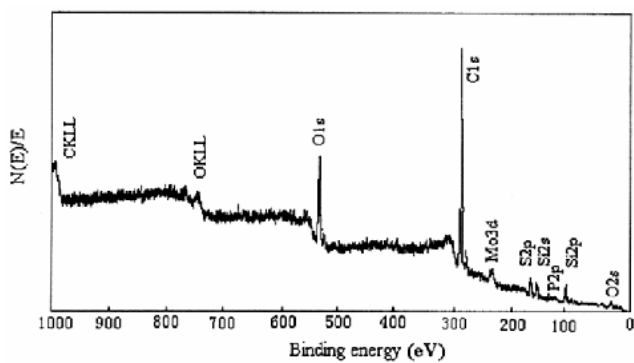


(3N, 44passes)

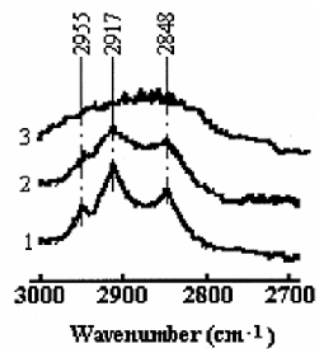


(3N, 44passes)

Al_2O_3 siliding against Si_3N_4



XPS survey spectra of the wear track the MoS_2 -DDP LB film.



FTIR spectra of wear track for SA LB film. (1) Original film surface; (2) wear track rubbed twice; (3) wear track rubbed for 20 cycles.