Figure 6:  
SEM images of an aluminium substrate after a treatment with the He-plasma jet near a scratch previously produced by a diamond blade (on the bottom). The He-plasma jet was shifted with a velocity of about 1 mmbold dots−1 along the scratch. The zoomed image and EDS spectra on the top present the surface structure and material composition of an exemplary erosion area, respectively. A thin gold layer with a thickness of approximately 13 nm is deposited to exclude overcharging of the substrate surface during electron microscopy.

EDS Graph (left): x [E/keV], y [EDS intensity/a.u.]