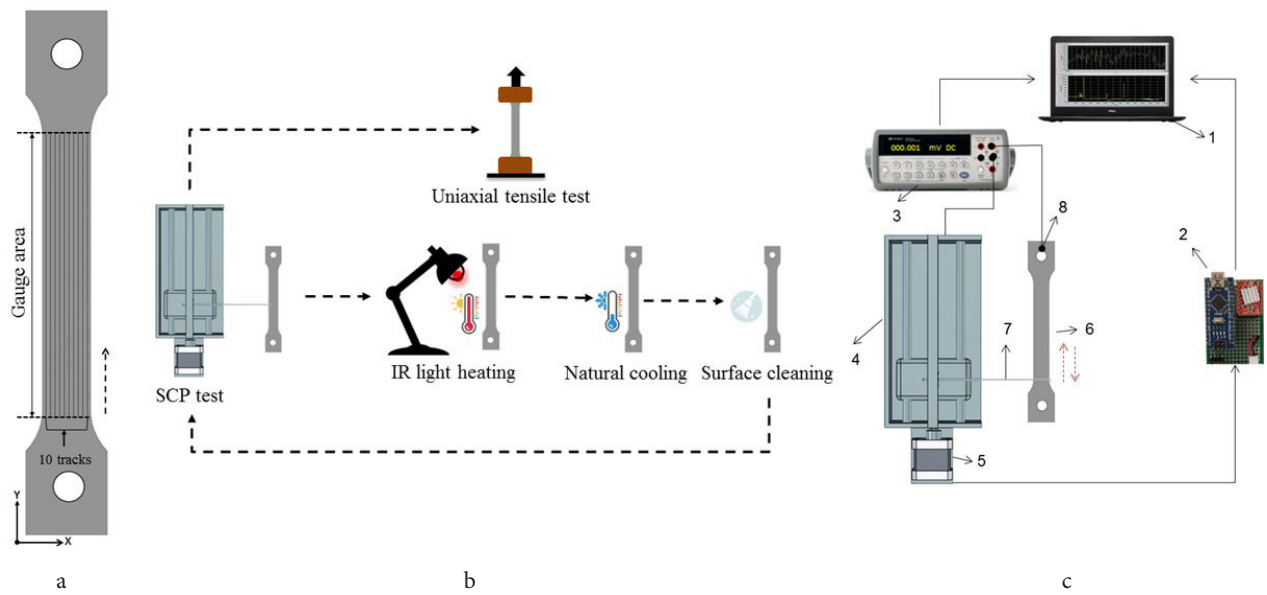# Supplementary Material

Fig. S1. (Color online) The model of lead specimen illustrated the used gauge area during SCP test (a), general schematic diagram of the experimental process steps (b), Scheme of the SCP experiment set up (c): measuring information system (1), Arduino nano V3.0 with ATmega328P Micro-Controller and stepper motor driver A4988(2), high-sensitivity Digital Multimeter Agilent 34401A 6½ (3), Stainless steel body of the semi-automated scanner device (4), stepper motor (5), test specimen (6), movable transducer (needle type) (7), fixed transducer (8).