

Influence of humidity on the combustion of powdered and granulated Ti + 0.5C mixtures

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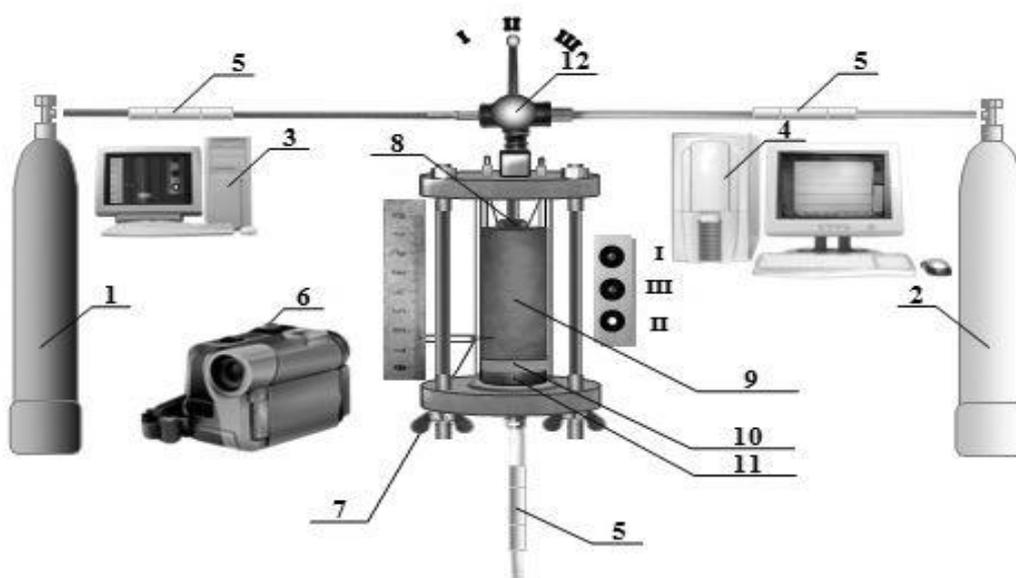


Figure S1 Experimental installation. 1 – cylinder with nitrogen, 2 – cylinder with argon, 3 – computer for video signal recording, 4 – computer for sensors recording, 5 – flow and pressure sensors, 6 – digital video camera, 7 – tungsten-rhenium thermocouple, 8 – heated spiral, 9 – sample, 10 – a layer of mineral wool, 11 – metal gauze, 12 – three-position switch, allowing to change gas cylinder (position I – nitrogen; II – argon) and to disconnect gas supply (position III).