

# Lab test benches: NSC setup



## Specifications

<b>Gases/ species:</b>	CO, CO <sub>2</sub> , NO, NO <sub>2</sub> , NH <sub>3</sub> , N <sub>2</sub> , H <sub>2</sub> , CH <sub>4</sub> , C <sub>3</sub> H <sub>6</sub> , O <sub>2</sub> , H <sub>2</sub> O, Air, SO <sub>2</sub> , CH <sub>2</sub> O dosage on request
<b>Pressure:</b>	1 – 5 bar
<b>Temperature:</b>	RT – 900°C
<b>Flow:</b>	0.5 – 7 slpm
<b>Gas analytics:</b>	FTIR, mass spec. on request

Tests of **catalyst powders** ( $l = 0,5$  cm) and catalyst coated **honeycombs** ( $d \leq 2.54$  cm,  $l < 4$  cm)

LabView automatic controlled measurements

**Sulfur resistant equipment** (pipes, reactor, analytics)

**Applications:** NSC, gas engines, DOC, TWC, SCR