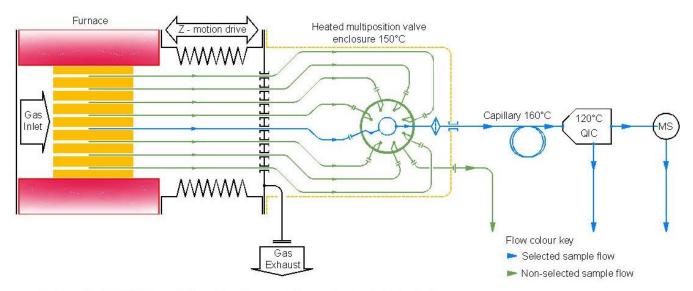


SpaciMS

Multi-channel Inlet for Intra-Catalyst Gas Analysis



SpaciMS Schematic

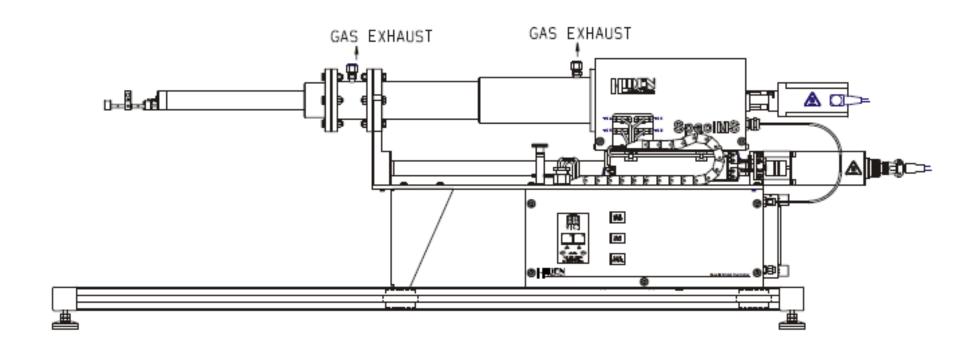


Schematic HPR20 SpaciMS system for spacially resolved catalysis studies

• Capillaries are inserted into the catalyst monolith and are moved by the integrated z-motion drive.

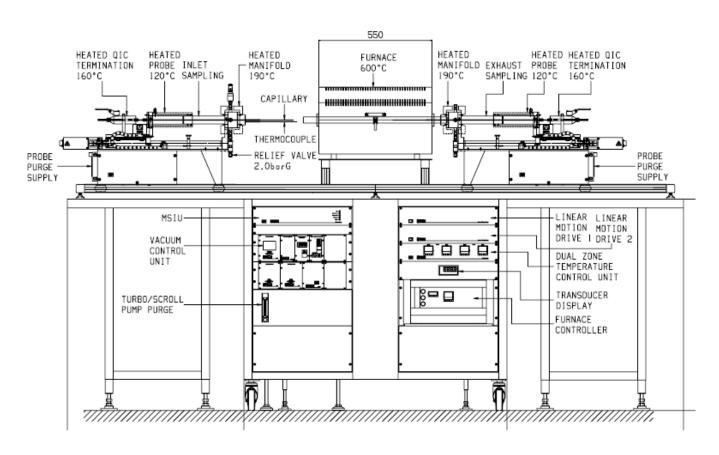


SpaciMS Probe Layout





Twin Inlet SpaciMS



• For Sampling inlet/outlet gas composition of Diesel Particulate filters

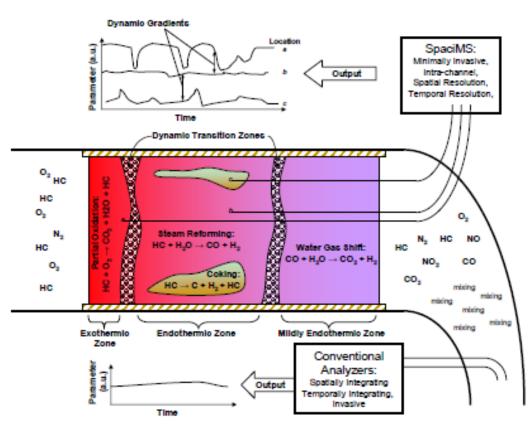


SpaciMS Probe





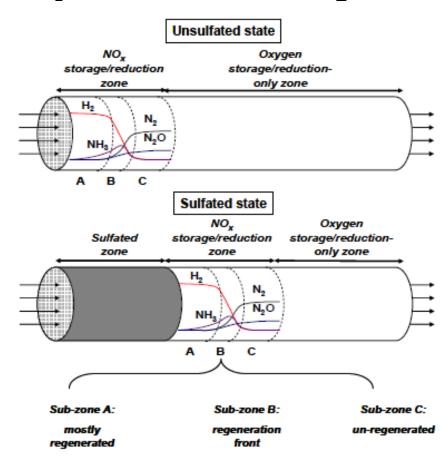
SpaciMS Analysis



• SpaciMS allows mapping of reaction profiles inside the catalyst and not just at the exhaust



SpaciMS Analysis



Different catalyst reaction zones can be monitored with the intra-catalyst probes



Features

- Up to 16 capillaries and thermocouples
 - Minimally invasive
- Identify reaction zones inside the catalyst monolith
- Integrated capillary channel sampling and z-drive positioning
 - Optional furnace and gas supply control



Recent Customers









