

CHAIR OF CHEMICAL PROCESS ENGINEERING

equipment

- ▶ Reaction Calorimeter (RC1, Mettler Toledo)
- ▶ Laboratory reactors for the examination of heterogeneously and homogeneously catalyzed Reactions (e.g. Berty reactor, Autoclave Engineers, Multi Reactor Systems)
- ▶ Diffusion cells
- ▶ Membrane reactors
- ▶ Chromatographic reactors (based on a conventional HPLC system)
- ▶ Simulated Moving Bed - Chromatography (Knauer, Prochrom)
- ▶ Preparative chromatography
- ▶ electro chromatography
- ▶ Various Analytical Methods
 - ▶▶ Gas Chromatography (HP, Perkin Elmer, Hewlett Packard)
 - ▶▶ High Performance Liquid Chromatography (Hewlett Packard, Waters, HITACHI)
 - ▶▶ MS (Balzers)
 - ▶▶ UV-VIS
 - ▶▶ IR
 - ▶▶ RI detectors
 - ▶▶ Ion-Molecule Reaction in Mass Spectrometry (V&F Analysis Technique)
 - ▶▶ Raman spectrometer (Kaisers)
- ▶ Workstations