Chemspeed - Automated Synthesis Workstation

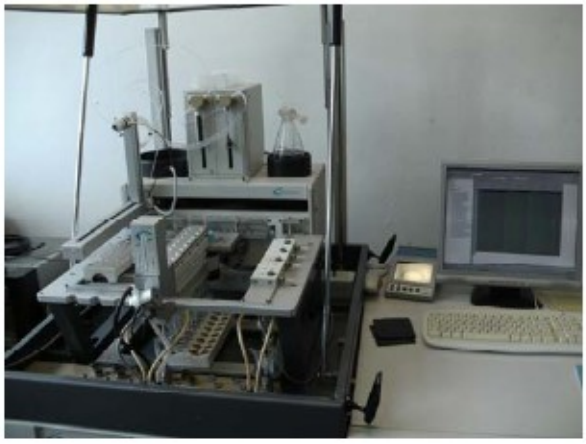
Model:	*ASW 2000*
Unit and Room:	*Org./Bioorg. Chemistry, 2nd floor, R.323F*
Responsible:	*Prof. W. Bannwarth, S. Barudio*
Further information:	

Short Description:

Fully automated system for unattended parallel synthesis, reagent preparation, product analysis and purification.

The workstation allows the following on-line processes: liquid-handling (up to 32 reactions in parallel), shaking (up to 1.400 rpm), cooling/heating (-70 to +150°C), solvent evaporation, filtration etc.

Picture of the Equipment



Available Experiments/Techniques:

-parallel synthesis in solution as well as with solid phases
-kinetic studies

Special Equipment:

Equipment enabling parallel peptide synthesis.

Measurements on the equipment are currently done by:	☐ Students ☐ Students after Introduction ☐ Students after extensive training ☒ Trained scientific service personal
Recent Publications, where this instrument was important (optional): Give citation	G. M. Scheuermann, L. Rumi, P. Steurer, W. Bannwarth, R. Mülhaupt; J. Am. Chem. Soc. 2009, 131, 8262-8270 C. C. Tzschucke, W. Bannwarth, Helv. Chim. Acta, 2004, 87, 2882 - 2889
Typical problems that may be solved with this instrument:	Excellent applicability for kinetic studies and for fast screening of different reaction conditions.