



## FlexyConcept

### Basic Concept

The basic operating modes of an automated system should be supported, depending on applications in such a way that the most effective process type is utilised. When using an automated laboratory reactor these functions are manual and automated recipe operation. This creates a free choice to automate individual processes.

During thermal analysis, experiments are normally already accurately defined and require only a final confirmation of parameters without the need for additional recipe writing.

When conducting reaction calorimetry, an automated laboratory reactor is required which fulfills all ALR needs including those for calorimetry.

SYSTAG is able to meet all these requirements. Continuous development, an option for remote support and excellent after sales service gives you the guarantee for long and trouble free operation of your investment.

### Application Areas

Faster processes, shorter reaction times, higher economy, reproducible experiments...

All these demands can only be realised with a conceptionally well thought out system. The operator must be comfortable with the equipment whilst changing from one instrument to another without having to master new instruction manuals or evaluation methods. For this very reason, SYSTAG has developed the **FlexyConcept** on which all our more recent instruments for process development and process safety are based. These are for example:

- **FlexyALR**, automated single laboratory reactor
- **FlexyLab, FlexyCUBE**, the successful parallel process development system
- **FlexyScaleUp**, the top of the range single laboratory reactor with 1.3 and 3 l capacity
- **FlexyTSC** for all thermo analyses using RADEX V5 and V6 as well as SEDEX
- **Calo2310**, the only non-isothermal and combined heat flow and heat balance reaction calorimeter
- **FlexyPlant** for Pilot and Plant Process Control

## Simple - Intuitive - Universally Usable

### Integrated Operating Modes

- Manual
- Parameter controlled standard reaction processes
- Recipe controlled sequences
- Graphical/mathematical evaluations

### Automatic Recordings

- Sequential progress list
- All set point and actual values
- Automatically generated lab report

### Usable in conjunction with the following regulations

- GLP
- GMP
- Part 11 CFR21

### Software Platform

- Windows XP
- Networking capability
- Remote operation

# FlexyConcept

## The Gateway to Chemical Process Development

**Parallel Process Development**  
**Process Scale-Up**  
**Reaction-Calorimetry**  
**Thermal Safety Analyses**  
**Pilot Plant & Small Scale Production**

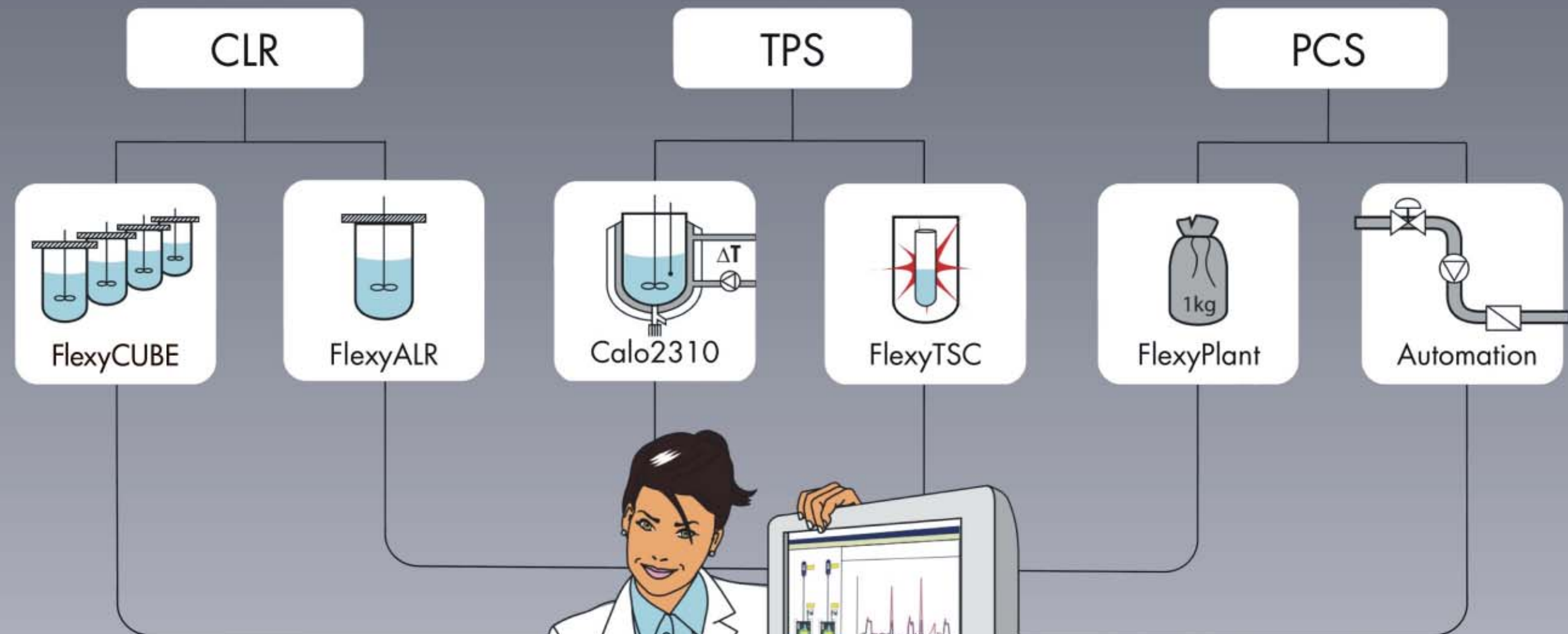
**Recipe and Manual Operation**      **Graphic Display and Evaluations**

## A simple Software Platform for complete Chemical Process Development

- One platform suitable for complete process optimisation
- Extreme flexibility for optimum resource utilisation
- A single training programme for personnel ensures multi-tasking capabilities
- Optimisation - Safety Evaluations - Scale-up: One operating platform!

# FlexyConcept

Your Gateway to Process Development



## Integrated Solutions

- \* FlexyLab
- \* FlexyCUBE
- \* FlexyALR
- \* FlexyTSC by Radex and Sedex
- \* Calorimeter Calo2310 eco, base, pro
- \* FlexyPlant for Process Automation

## Benefits of a single Software

- \* minimum training effort
- \* easily understood
- \* flexibility even with limited resources
- \* cost effective maintenance
- \* reliable service provider
- \* investment protection through conceptual continuity