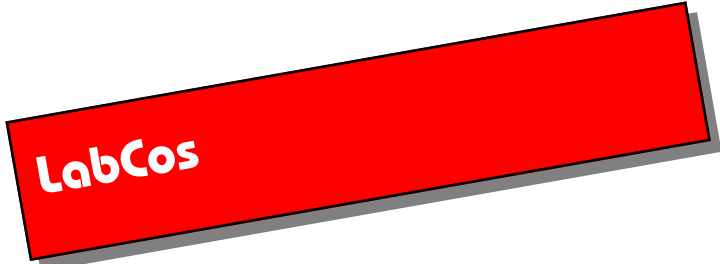




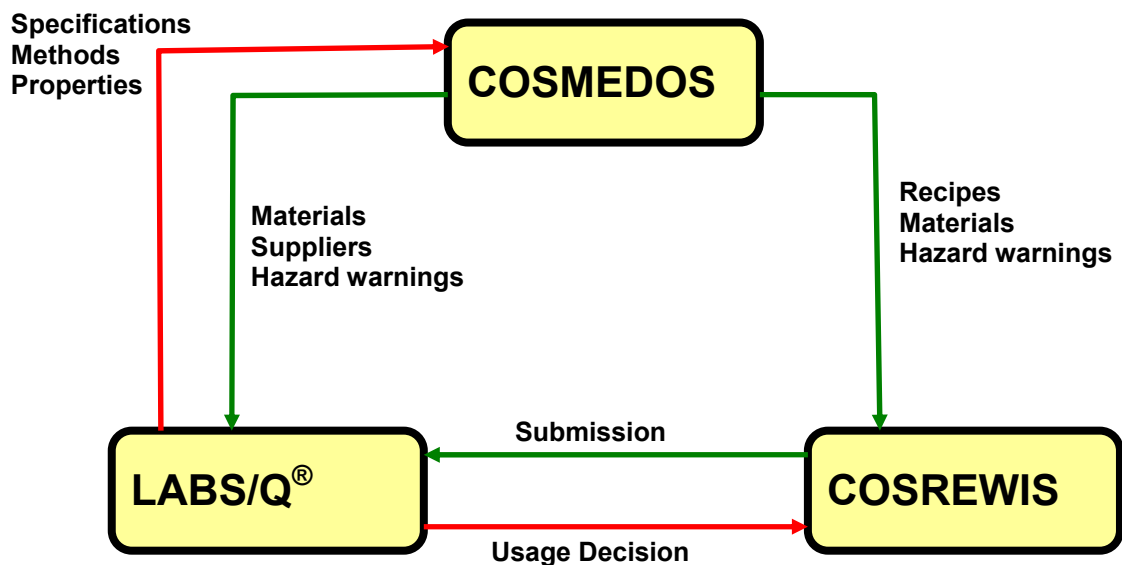
iCD. GmbH
Augustinusstr. 9d
50226 Frechen / Germany
TEL +49-2234-96634-0
FAX +49-2234-96634-90
e-mail: info@icd.biz
web: http://www.icd.biz

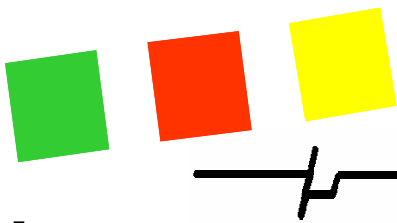


Competence in Combination

The integration of recipe management, LIMS and recipe optimization

LabCos is a joint venture product of the companies Klar Partner AG and iCD. GmbH. Its main goal is the development of an intelligent and structured administration tool for plant and development recipes, for weighting and optimizing of recipe preparations and for the management of specifications and log plans as well as handling of submissions (inspection orders) in the field of quality control, research and product development.





Content of the involved systems

COSMEDOS

- ◆ Recipe development system for research and development, customer service quality assurance and product marketing
- ◆ Uses available information technologies and structures in the customers concern
- ◆ Maps recipe structures in the software system
- ◆ Guarantees the possibility of implementing add-ons and additional customer requirements by applying a modern software architecture
- ◆ Uses common declarations (e.g. INCI, CTFA with ca. 19.000 records) for the assignment to raw materials

COSMEDOS - core includes

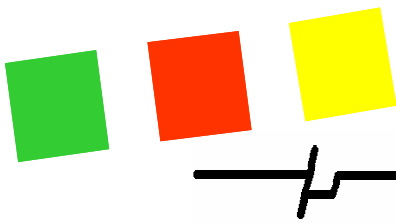
- ◆ N-step recipes and sub recipes
- ◆ Version controlled administration of recipes with Audit Trail
- ◆ Recipe phase administration
- ◆ Text based descriptions for each phase
- ◆ Administration of synthesis instructions
- ◆ Multiple calculation methods (positioning with respect to %-values, amounts and/or definition of potencies), automatic calculation of remaining quantities
- ◆ Dissolving and automatic INCI declaration, recursive summing-up of applied raw materials and/or ingredients over the total recipe incl. sub recipes
- ◆ Override of the INCI-sorting on product labels

LABS/Q®

- ◆ Modularly structured Laboratory Information and Management System (LIMS) / CAQ system
- ◆ For use in quality control/quality assurance, research and development, environment protection analysis
- ◆ Open solution, supports various hardware platforms
- ◆ Efficient customizing of the standard software with respect to individual customer requirements

LABS/Q®-core includes

- ◆ Maintenance of all relevant master data for laboratory structures as well as for the setup of specifications and log plans
- ◆ Generation and handling of submissions (for incoming goods inspection, product release and initial sample checks, starting with automatic or manual creation of submissions up to the final release and usage decision)
- ◆ Automatic and event triggered generation and distribution of sample labels and various reports, even by using different distribution groups
- ◆ Graphic tool for online plots of historical result progression or control charts
- ◆ HTML viewer for displaying, editing, printing, e-mailing as well as faxing of HTML and PDF reports

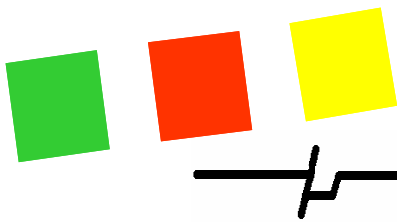


COSREWIS

- ◆ Independent of periphery, GMP conform weighting system for the batch-based industry
- ◆ Customer optimized integration in ERP systems like SAP/R3, Blending, Navision or other PPS systems
- ◆ Uses available information technologies and structures in the company of the customer
- ◆ Maps information structures which would perhaps not be available on the host system of the customer
- ◆ Guarantees a 7-days/24-hours operation because of its high system stability
- ◆ Avails high tech I/O stations (e.g. IP65 V2A touchscreen PC's) in the weighting areas
- ◆ Avails among others radio barcode readers for the identification of barcodes

COSREWIS - core includes

- ◆ Master data for employees, locations, rooms, measurement equipment, recipes, actual-value entry, automatic master data update
- ◆ Orders, positions, batch retracing down to bundle level
- ◆ In case of a machine breakdown: Changing the allocation of the order, automatic or manual selection of the synthesis instruction or changing of the host order
- ◆ Securing of the inventory on the host system via automatic back posting of the removed quantity
- ◆ Ongoing check of quality decisions (see also LABS/Q®)
- ◆ Automatic generation of recipes in weighting systems (incl. automatic version control)
- ◆ Balancing, recipe history, Audit Trail
- ◆ Definition of synthesis instructions, also preparation specific instructions (optional)
- ◆ Automated batch organization for tank batches with batch certificate for repeated fillings incl. batch retracing (optional)
- ◆ Integrated backup of the production process via COSREWIS, even for a possible breakdown of the host system
- ◆ GMP conform documentation of the production processes
- ◆ Handling of weighting orders in the production process (scanning – weighting – labelling), fixed and/or mobile scales, satellite scales, automatic selection and control
- ◆ Control of scales: online connection of any weighting type (e.g. Mettler, Bizerba, Sauter, Söhnle etc.)
- ◆ Uniform user interface independently from the periphery
- ◆ Integrated V2A hardware at the weighting location
- ◆ Automatic printing of bundle labels for intermediate bundles
- ◆ Check of the quality decision and batch selection (run time, expiry date) in connection with LABS/Q®
- ◆ Radio management software for radio scanner / infra red scanner etc.



3 Variants of LabCos

Variante 1: LabCos

- ◆ Consists of a **COSMEDOS** core, **COSREWIS** core and **LABS/Q**[®] core
- ◆ Applicable in the field of quality control / quality assurance and production as well as for research and development

Variante 2: LabCos-D (Develop)

- ◆ Consists of **COSMEDOS** core and **LABS/Q**[®] core
- ◆ For recipe management and LIMS controlled management of specifications and log plans
- ◆ Preferentially to be applied in the field of research and development, product development, galenical development

Variante 3: LabCos-R (Recipe)

- ◆ Consist of **COSREWIS** core and **LABS/Q**[®] core
- ◆ For administration of preparations and balancing of recipes and corresponding quality control starting with raw materials up to the actual preparation
- ◆ Applicable in research and development, synthesis laboratories and in pilot plant stations

Options

for COSMEDOS

- ◆ Administration of safety data sheets
- ◆ Project administration within the recipe management
- ◆ Recipe comparison
- ◆ Administration of external products for comparison with competitor products
- ◆ Recipe calculation
- ◆ Administration of primal packaging

for COSREWIS

- ◆ Definition and acquisition of process parameters like e.g. revolutions, viscosity, density, temperature etc.
- ◆ Management of tank batches
- ◆ Preparation specific synthesis instruction with allocation of the order
- ◆ ERP integration for securing of the inventory at the host

for LABS/Q[®]

- ◆ Certificate management
- ◆ Administration of instruments and analytical equipment
- ◆ Module for durability and stability studies
- ◆ Screen mask design tool "MTool"