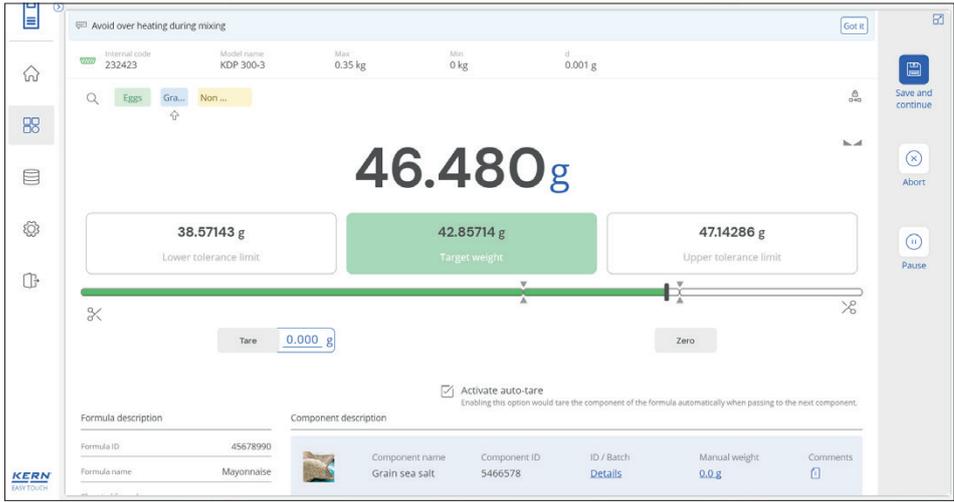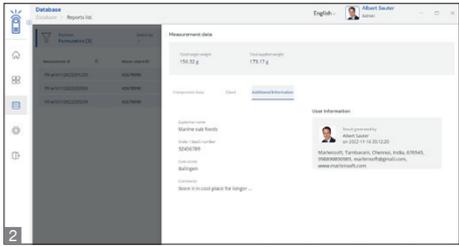# KERN SET-21 EasyTouch Formulation
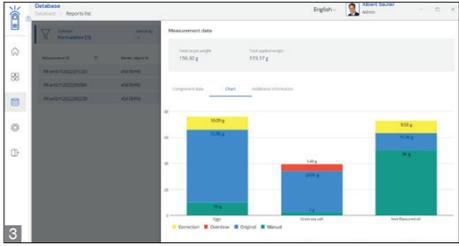
EasyTouch





Recording batch components



Storing batch information

## ET Formulation – Recipe function

### Features

- Note: the required basis is **SET-01 ET OS** (basic package). **SET-21 is part of the SET-02 Premium Laboratory package** with "Difference function" at a bargain price

- **Batch management**: Double batch management, which enables, **1** batch information of the input materials (components) to be recorded and archived, as well as **2** batch information of the end product – the recipe – to be entered and saved (Compliance 21 CFR Part 11)

- **9** **Multi device use/management:** KERN EasyTouch can communicate with both KERN balances as well as other third-party devices. During a work process, it is possible to choose between different balances, for example, high-capacity balances for coarse measurements and precision balances for fine measurements (weighing system/counting system). The measuring results from all balances are stored in a unique results log, including their source (Compliance 21 CFR Part 11, as well as others)

- **3** **Graphic results display**: Presentation of the individual recipe components in the form of a bar chart for clear display of a recipe

- **4** **Automatic correction function**: After dosages of a component are inadvertently exceeded, the system automatically calculates what quantities of the other components need to be added. When doing this, the user will be guided step-by-step through the dispensing of further components, supported by a clear bar chart and information about the corresponding target weights

- **5** **PC print function:** all relevant recipe data can be printed out clearly using a standard PC printer. As an alternative a compact label can be printed e.g. to stick on a filled bottle, container, box, etc.

- **6** **Automatic multiplier function**: The user only needs to enter the required total weight of the order for the recipe. The system then calculates the necessary quantities for the components automatically

- **Locking function for recipes**: Prevents recipes from being changed. In the basic settings for the recipe, the right to change the recipe can be restricted to specific user groups

- **Pause function:** A recipe can be set up such that interruptions are permitted. In this case, a recipe will be saved temporarily as "half-finished". When recalled again, the user will be taken straight to the step where the recipe was interrupted and can continue seamlessly with the recipe

- **7** **Central component management**: Ingredients of recipes are stored in the central master data memory and can be used in different recipes. You can recall a component with the barcode using its ID number. You can store an image for each component
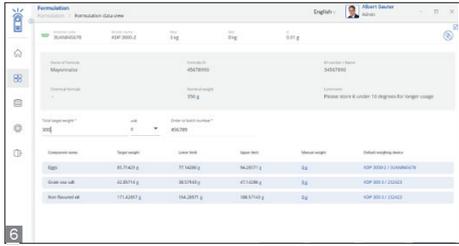


Graphic results display
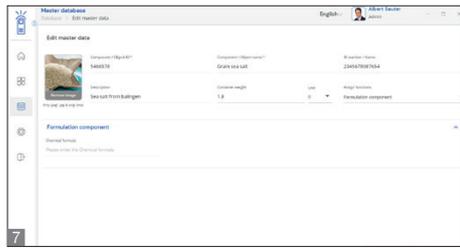


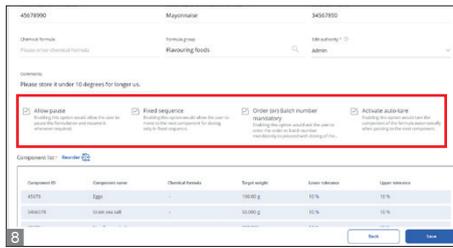Automatic correction function



Print protocol
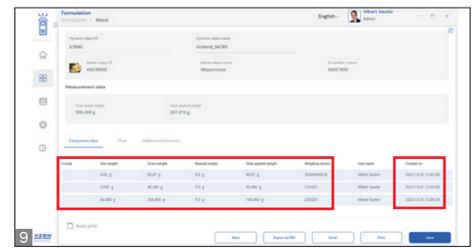


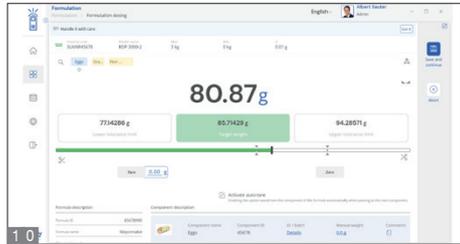Automatic multiplier function

# KERN SET-21 EasyTouch Formulation

EasyTouch



Central component management
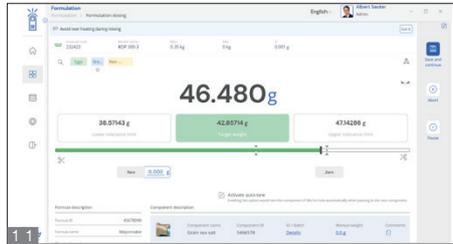


Open or fixed component sequence



Multi device use/management



Component bars



Manual selection of the next component

- **8 Open or fixed component sequence:** When planning a recipe you can specify whether the components need to be added in a fixed designated order or whether you can add the components in any order

- **Dosing assistant**: When weighing, the system gives the user visual and acoustic feedback when the target weight is reached when dispensing. Visual feedback is supported by an intelligent bar graph with auto-focus on the target range. Acoustic feedback is in the form of a beep

- **10 Component bars**: Clear display showing the proportion of the components one to another, which components have already been successfully added (green), which components are next (orange) and which components have not yet been added (grey). **11** With an open sequence, the next component can be selected manually by clicking on the relevant component

- **Safety warning**: A freely-editable comment field can be displayed prominently at the start of a recipe process. This information can be used, for example, for safety instructions or warnings

- **Central measuring data memory (Save-Data Local):** All printed and stored weighing and measuring data is stored in this memory. The data is stored on the local display device or centrally – for all connected weighing systems – in a server directory (Save-Data Server or Save-Data Cloud). All stored data is saved in a tamper-proof manner and cannot be changed

Changes to master data are also saved in the dynamic measuring data memory in a tamper-proof manner (Data Traceability). Dynamic data can be recalled and printed out at any time and or can be exported as a table
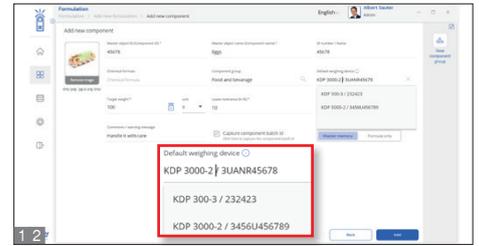
- **Recipe weighing** can either be carried out continuously without removing the weighed components or individually with removal of the weighed components

## Options

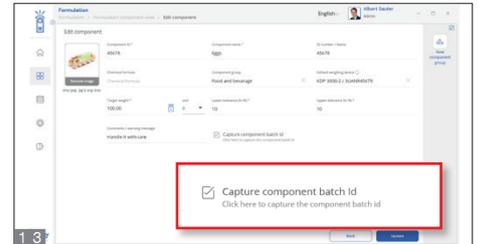- **Save-Server** central data memory function for additional storage of all measuring data in a central, local server directory. This is where measuring data is stored from all weighing systems connected using KERN EasyTouch, as well as all installed KERN EasyTouch functions. The advantage of this, particularly for users with several weighing systems, is having all weighing data consolidated in just one database and only having to search for individual measuring data from different balances in one table. Save-Server data storage is also tamper-proof and cannot be changed, KERN SET-10

- **Save-Cloud:** Has the same central data memory function as the Save-Server for all weighing systems connected to KERN EasyTouch. The difference is that in Save-Data Cloud, the storage location is a KERN Server, which can be accessed over the internet, instead of a server in a local network. Setting up Save-Data Cloud functionality takes place automatically and does not require a network administrator on the user side, KERN SET-101

- Coming soon: **SET-12 Pharma Set**: This program package is based on SET-21 and supports the user with the following processes in the pharmaceutical industry, production of cosmetics and baby food or food supplements or similar products: **Production** (SET-121), **quality checks** (SET-122) on your production line and **filling** as well as **labelling** (SET-133). Also available: Template for software validation (SET-124) and Anti-Cybercrime function (SET-125) for complete separation of the system from networks in the case of an emergency

# KERN SET-21 EasyTouch Formulation

EasyTouch





Defined balance



Batch ID for weighing components



Manual entry

## New functions

- **1 2 Defined balance**
  - Definition of a specific balance for weighing a specific component with a specific formula
  - Automatic switching to the relevant balance, when the user comes to this component in the recipe. In this way errors cannot occur through weighing on the wrong balance
  - Documentation of which weighing process was carried out on which weighing device
  - Ideal for qualified processes (IQ, OQ, PQ), such as, for example, for pharmaceutical production, KERN SET-212

- **1 3 Batch ID for components**, with
  - a batch ID can be defined as mandatory for a component, if this formula is being processed
  - For each recipe process the user must first enter the batch name for the selected component, before he can save this weight
  - Output of the component batch ID in the print protocol of the completed recipe

- **1 4 Manual entry:**
  - This function permits the user to enter a component without weighing it, e.g. a full sack or a full container with reliable weight information from the manufacturer

## Technical data

- Licence model: A license can be operated on up to four terminal devices (PCs, laptops, tablets) at the same time and independently

- User: An unlimited number of users can be created in one license

- Balances: You can create and operate as many balances in one licence as you want

- Communication between balance/terminal device: Balances can communicate with the PC, laptop or tablet by serial connection, USB, Bluetooth, Ethernet or WIFI

STANDARD

ET | USER | DYN | SECURE | RECIPE

OPTION

IQ | SERVER | CLOUD