

## LAB ESSENTIALS FOR CHEMICAL INDUSTRY



### Magnetic Stirrer

#### RCT basic

Market leading magnetic stirrer with heating function

- › The everyday lab essential for synthesis
- › Activation of chemical reactions and synthesis procedures with precise control of the sample temperature



### Overhead Stirrer

#### EUROSTAR 60 control

Powerful stirring with advanced features

- › Dissolving powders, facilitating chemical reactions and ensuring uniform heat transfer with a real-time temperature monitoring function
- › Range of impeller designs to support different mixing applications



### Temperature Control

#### CBC 5 control

Exact temperature control of your reaction

- › Constant temperature control for exothermic reactions through active cooling and programmable cooling rate for crystallisation
- › Support reactor vessels with a temperature stability of  $\pm 0.01\text{ }^{\circ}\text{C}$



### Rotary Evaporator

#### RV 10 auto pro V-C Complete

Simple liquid separation

- › Start your distillation with a single press of a button
- › Incl. glassware, vacuum pump, controller, bath and chiller



### Vacuum Technology

#### VACSTAR digital

Powerful vacuum source for vacuum filtration procedures

- › For dry and oil-free applications
- › Particularly chemical resistant pump membranes



### Drying Oven

#### IKA OVEN 125 basic dry

Tempering, dry-aging

- › Fast heat up times and a precise temperature control guarantee reproducible test results

# ElectraSyn 2.0: Modern breakthrough in drug synthesis

## /// Electrochemistry for synthetic chemists

### GERMAN TECHNOLOGY. AMERICAN DESIGN.

- > 3-in-1: potentiostat, analytical device and a stir plate
- > Automated data logging and data transfer with the ElectraSyn app
- > Compatibility with new accessories with a simple software update

PATENTED

LIFE-TIME  
WARRANTY

### DESIGNED FOR MEDICINAL AND ORGANIC CHEMISTS

- > Explore new chemical routes and methods
- > Used for drug design and synthesis
- > Quick cyclic voltammetry analysis
- > Application support and guidance
- > Beginner friendly

### COMPARED TO CONVENTIONAL CHEMICAL SYNTHESIS METHODS, ELECTRASYN 2.0 OFFERS :

- |                    |               |
|--------------------|---------------|
| > Novel Reactivity | > Simplicity  |
| > Reproducibility  | > Scalability |
| > Sustainability   | > Safety      |



reddot award 2018  
winner



### MODULARITY WITH ACCESSORIES



#### E-Hive

- > High throughput screening platform
- > Drug screening and early stage drug discovery



#### GOGO Module

- > Run reactions under external reaction conditions



#### Carousel

- > 6 concurrent reactions
- > Easy scale up



#### Pro-Divide

- > For divided cell reactions

# EasySyn 5000 Advanced Reactor system

/// Scale up your reaction by using the EasySyn reactor system

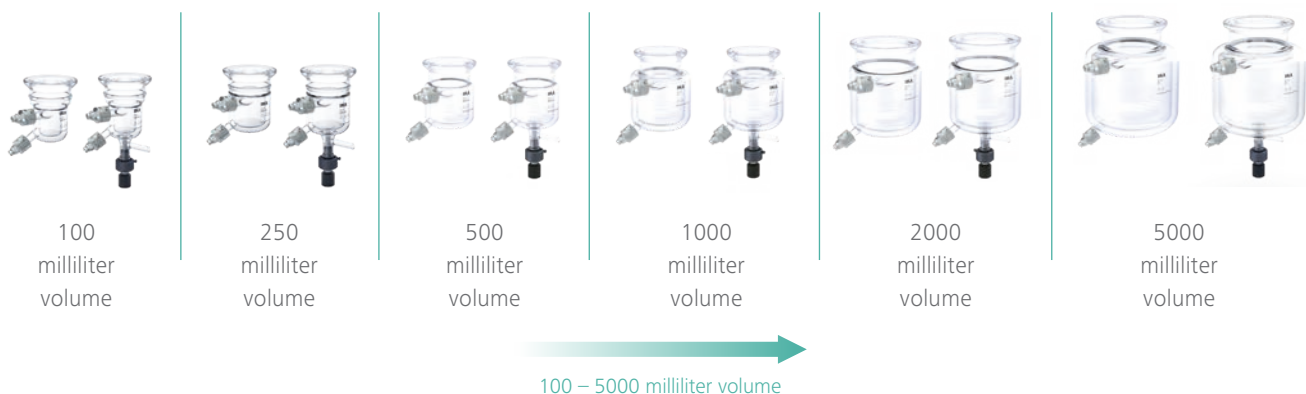
Individually tailored solution

Synthesis reactors are designed to perform organic or aqueous syntheses under controlled conditions. The use of chemically robust materials (borosilicate glass 3.3, PTFE, FEP) makes them suitable for a wide range of applications such as reflux condensations, reactions under vacuum, crystallizations, (pH-controlled) precipitation reactions, nanoparticle or catalyst syntheses as well as the transfer from laboratory to process scale.

## EasySyn

/// Ideal for organic and aqueous syntheses

- > Large selection of reactor vessels (100 – 5000 ml)
- > One stand system for all vessel sizes for easy upscaling
- > Quick change of vessels for efficient operation
- > No dead spaces for complete mixing and draining of the reaction solution
- > High chemical resistance for demanding reaction conditions
- > Specially developed stand system for easy alignment of the overhead stirrer and height adjustment for any body size



Would you like your own desired configuration?  
Or an individual offer?

With our online configurator, you can put together a reactor system that is individually tailored to your needs. You can choose between different reactor vessels, overhead stirrers, stirring tools, circulators and automation levels.

Click here for the configurator:  
[ika.com/easysyn-config](https://www.ika.com/easysyn-config)

Automate your synthesis  
with labwordsoft®

Automate, control, monitor: With our labwordsoft® 6 laboratory software, you operate your entire reactor system from your PC. You define dependencies, automate routine tasks and define measured value recordings or real-time calculations.

Try it for free for 30 days!



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