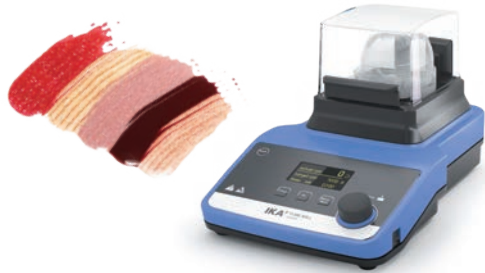


## LAB ESSENTIALS FOR YOUR COSMETIC FORMULATION



### Mills

#### Tube mill control

- › Small volume grinder for grinding colour pigments
- › Grinding chambers are changeable
- › Reusable and disposable chambers available



### Magnetic stirrer with heating

#### IKA Plate (RCT digital)

- › For melting any solid waxes or heat up samples prior to formulation
- › Mixing low volume and low viscosity solvents e.g. water and organic solvents



### Overhead Stirrer

#### EUROSTAR 60 control

- › For mixing formulations from low to high viscosity
- › Wide range of impeller designs for different applications and sample viscosity ranges



### Disperser | Homogenizer

#### T 25 easy clean control

- › Emulsifying (mixing oil in water) / homogenising
- › Dissolving solids and powders in liquids (quick wetting) in high shear conditions



### Viscometer

#### Rotavisc lo-vi

- › Measure viscosity for quality control of final product
- › Monitoring changes to formulations during R&D



### Incubator / Drying Oven

#### INC 125 F digital / Oven 125 control - dry glass

- › For stability and aging test

# A complete system for your cosmetic formulation

/// Heating, cooling, mixing, dispersing, vacuum control, real time pH, temperature and torque trend measurement in a closed vessel



## Benefits of using IKA Lab reactor system for cosmetic formulations

- › Mixing to ensure mixture is uniform and homogenous (support up to 150,000mPa.s)
- › Incorporate with high shear disperser to form stable emulsion/suspension
- › Heating and cooling function
- › Strong vacuum for de-foaming even while mixing
- › Real time pH measurement
- › Torque trend measurement to indicate viscosity changes
- › Optional documentation and control via labworldsoft software
- › High reproducibility
- › Easier scale-up with clearly defined parameters

### EXAMPLES OF APPLICATIONS IN COSMETICS or PERSONAL CARE:

Sun protection cream, eyeliner, foundation cream, lipstick, toothpaste, mascara, aloe vera gel, hair shampoo, hair conditioner, body butter and facial cleanser

Find your personal contact here!



IKAworlwide // #lookattheblue