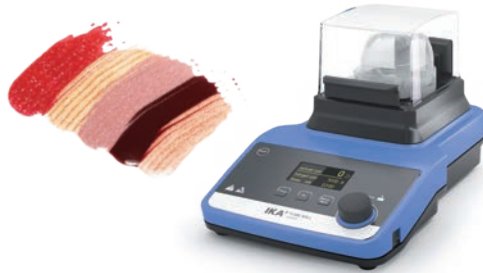


## LAB ESSENTIALS FOR YOUR COSMETIC FORMULATION



### Mills

#### Tube Mill control

- > Small volume grinder for grinding color pigments
- > Grinding chambers are changeable
- > Reusable and disposable chambers available
- > Possible storage in the milling chamber



### 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 homogenizing 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 ULTRA-TURRAX®

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



### Viscometer

#### ROTAVISC lo-vi Complete

- > 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 an IKA lab reactor system for cosmetic formulations

- > Mixing to ensure mixture is uniform and homogenous (support up to 150,000 mPa·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
- > Integrated weighing function

### 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

