



### Application / Test Facility

This apparatus is designed for the **wet chemical synthesis of copper oxide nanoparticles**. It enables users to perform controlled precipitation-based reactions with precise temperature and stirring control, suitable for laboratory-scale nanomaterial production and study.

### Product Features

Parameter	Specification
<b>Heating System</b>	Hot plate magnetic stirrer, 500–1000 W power rating
<b>Temperature Control</b>	Adjustable up to <b>350°C</b> , with integrated temperature controller
<b>Speed Indicator</b>	Digital speed indicator for real-time stirring speed display
<b>Stirring Mechanism</b>	Magnetic stirrer with <b>variable speed control</b>
<b>Synthesis Method</b>	<b>Precipitation-based wet chemical process</b>
<b>Drying Method</b>	<b>Ambient air drying</b> or desiccator-based drying
<b>Reaction Control</b>	Dropwise base addition via <b>burette</b> , with <b>temperature monitoring</b> during reaction
<b>Construction</b>	Built for durability and chemical resistance, suitable for academic and research labs

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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**Glassware**

- **Included Components:**
  - Measuring cylinders, burettes, pipettes, glass rods, funnels
  - Volumetric flasks and round-bottom flask (**500 mL, single neck**)
- **Material:** High-quality **borosilicate glass**, acid and alkali resistant
- **pH Measurement:** pH meter with **2-point calibration** and **±0.01 accuracy**

**Accessories and Spares**

- **Thermometer** (laboratory grade)
- **Magnetic stir bars**, standard size set

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