

# RST-CPS TouchRheometer™

Cone/Plate & Plate/Plate Systems for small samples and wide shear rate ranges

**Controlled shear stress/shear rate** operation makes it easy to study material behavior from initial yield to low curve response

**User-friendly Touch Screen** and graphical display for stand-alone operation

**Quick Connect Coupling System** for easy spindle attachment

**Very Small Sample Size** permits rapid test set up and clean up

**Spindle Barcode** for auto spindle recognition

**Optional Rheo3000 Software** allows for PC control and data acquisition/analysis of multiple test files

**Automatic or Manual Gap Setting** for quick and easy gap setting

**Rapid Temperature Control** of plate with Peltier option for quick profiling of viscosity vs. temperature



## What's Included?

Instrument (with choice of water bath or Peltier temperature control for sample plate)  
Convenience Package (Cleaning Cloth, Screen Protector)

## Optional Accessories

Choice of cone or plate spindle geometries at least one is required (p47)  
Rheo3000 Software  
Viscosity Standards (p53)  
Water Baths (p33-35)  
Solvent Trap  
Choice of Thermal Barrier  
- Teflon (0° - 200°C)  
- Stainless Steel (0° - 200°C)  
KE Cooling Device



Choice of cone spindles and plate spindles accommodates all sample types. Plate spindles are used for highly-filled or very viscous samples.



Thermal Barrier reduces the effects of heat transfer to the environment. Two part chamber provides thermal isolation of the measurement zone.



The optional KE cooling device is required to cool viscometer bearings when testing with temperatures above 70°C.

MODEL	VISCOSITY RANGE (Pa · s)		SPEEDS
	Min.	Max.	RPM
RST-CPS Cone/Plate	0.0006	814K	0.01-1.3K
RST-CPS Plate/Plate	0.002	2.49M	0.01-1.3K

See page 47 for individual spindle (bob) ranges and K = M = 1000 Pa · s = 1000 cP

Temperature Control Options		
MODEL	Description	Temperature
RST-CPS-FH	Bath	-20° to 200°C
RST-CPS-PA	Peltier Air	0° to 180°C*

\* Higher temperatures available on request. Plate spindles cannot be used with Peltier systems. See page 47 for spindle ranges and sample volumes.

**明頂科技有限公司**

TEL.07-552-6160 FAX.07-586-6000

<https://www.mding.com.tw>

[mding.s090602@msa.hinet.net](mailto:mding.s090602@msa.hinet.net)