

Electronics Paste Applications

Recommended viscometer choices



HBDV-II+Pro Viscometer (p6)
Spiral Adapter (p38)
Ball Bearing Suspension (p44)



RVDV-I Prime Viscometer (p8)
Model D Helipath Stand (p36)

The rheological properties of solder paste affect behavior during application to electronic assemblies. This includes dispensing operations and flow characteristics during screen and stencil printing. The Brookfield RVDV-I Prime Viscometer with Helipath Stand and T-bar spindle provides single point viscosity measurement for QC control. The Brookfield HBDV-II+ Pro Viscometer with Spiral Adapter offers an automated test method for total flow curve evaluation.

Lab Features & Benefits

Spindle can be inserted directly into paste container

Methods comply with IPC test specifications

Pharmaceutical Applications

Recommended instrument choices

R/S-CPS Plus
Rheometer (p21)



Most ointments need to be sufficiently thick when standing to prevent them from oozing away from the intended area of use. They also need to flow easily when applied (known as shear thinning behavior). The R/S-CPS Rheometer is the ideal instrument to measure high viscosity at near zero shear rate to determine yield stress values and to create viscosity vs. shear rate flow curves which simulate rubbing and spreading.

Lab Features & Benefits

Small sample volume

Automated test method

Rapid temperature equilibration

Easily cleaned and maintainable



CT3
Texture
Analyzer (p50)

The physical properties of tablets and capsules are a critical characteristic to both ease of manufacture and product functionality. The hardness of a tablet or the strength of a gel capsule will have an effect on drug release rate in the body. Tests for hardness serve as a QC indicator at the point of packing or filling. The CT3 and its associated test accessories can accommodate variable geometries of capsules and tablets while maximizing the value of data obtained from texture investigations.

Texture Features & Benefits

Multiple applications with single instrument

Rapid measurement of physical properties, such as tablet hardness and gelatin strength

Stand-alone or PC operation