

RheoMaster™ Data Acquisition & Control System: Description




The RheoMaster™ computerized data acquisition system is designed to acquire, store, display and report test data from any combination of 4 Rheometer or Mooney Viscometer testing instruments, simultaneously, as described in [ASTM D2084](#), [D1646](#), & [E1579](#).

RheoMaster™ utilizes a GUI (graphical user interface) with mouse and keyboard input, operating in a Microsoft Windows environment. It is equipped with a modem for remote factory troubleshooting and support. RheoMaster™ is a Pentium® PC based system with specifically designed A to D I/O capabilities and logic interfaces incorporated.

RheoMaster™ is known as a truly advanced R&D tool and has a proven history in the rugged production control environment. Imagine a system dedicated to batch monitoring 4 instruments, operated by a single technician, while data is stored and the reports printed! The technician is alerted to a test parameter failures by a bright flashing yellow alert message on the monitor! [Quality Is Assured](#).

RheoMaster™ requires less initial investment than 4 new chart recorders, requires less maintenance, provides greater reliability, allows for easier data storage and retrieval, and is far easier to operate than its [chart recorder](#) counterparts.

 The original RheoMaster™ System is currently undergoing revision, it will be re-introduced as RheoMaster™ 2000. It will have upgrades similar to those of the [OvenMaster™ 2000](#).


RheoMaster™ Data Acquisition & Control System: Features

RheoMaster™ Displayed Test Data:

- Real Time Torque Curves;
- Real Time Upper & Lower Die Temperature Plots;
- Unit Number;
- Sample Identification;
- Temperature Set Point;
- Test Date & Time;
- Pass/Fail Parameters;
- Instrument Status.

RheoMaster™ Reported Test Data:

- Cure Plot;
- Temperature Set Point;
- Upper & Lower Die Temperature Plots;
- Preset Calculated Data Points;
- Date & Time;
- User Defined Parameters;
- Test & Specimen Identification Information.

 Detailed information on the RheoMaster™ specifications, computer program features, and technical data may be obtained by sending an e-mail to CCSi_TechInfo.