

Fully programmable

Modularly constructed

Dc Parametric and functional testing

The S-3400 Series is the latest addition to our continually expanding line of Automated Test Equipment. The S-3400 has been designed to meet the testing needs of both the semiconductor memory manufacturers and memory users. Production oriented, the systems are cost-effective solutions for wafer probe, package test, quality control, and incoming inspection.

The systems are fully programmable and capable of completely and effectively testing all types of semiconductor memory devices. RAM's, ROM's, dynamic, static, bipolar memories, and shift registers—each may be tested with the combination of dc parametric and functional tests that most efficiently discover failure modes unique to the memory under test.

At the heart of each S-3400 system is a high-speed micro-programmable pattern generator. This allows functional testing with PING PONG, GALLOPING, DIAGONAL, FLOATING, CHECKERBOARD, and many more patterns. With test rates up to 10 MHz, testing is at the memory's specified frequency.

Dc testing capabilities permit you to test leakage, input current, output voltage, threshold levels, protect diode condition, stress, continuity, and many more.

With the S-3400 systems flexibility and full range of test capabilities, you may configure test programs in the order of the most likely failure modes. This ability can increase throughput and thus lower production costs.



The S-3400's data bus opens up the possibility for future expansion of your system by inserting additional modules.

The S-3400 may be ordered with an additional test head, thus permitting multiple-station operation. Interfaces are available for wafer probers, automatic device handlers, and environmental chambers.

The information you have read here is just a brief overview of the S-3400 Series. For a more complete discussion of the systems and their capabilities, please check the Automated Test Equipment box on the business reply card of this catalog and specify the S-3400 Series. Of course, your best and fastest source of information is your local Systems Applications Engineer. He may be reached through the Tektronix Field Office nearest you.

